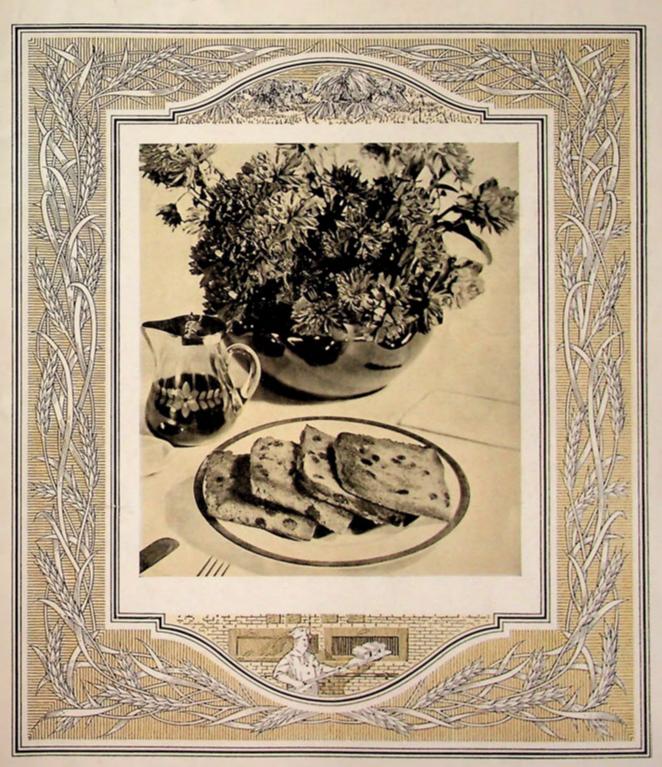
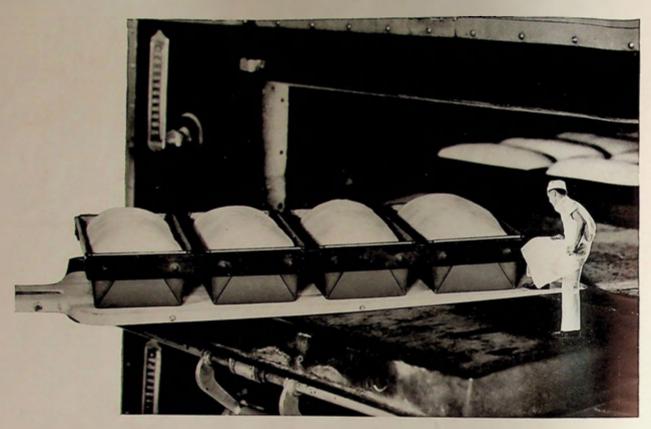
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What Happens To Bread In The Oven?

POUR loaves going into the oven. They look good to this expert baker, but he knows they must stand one more test—the heat of the oven.

The behavior of dough during all stages depends upon the strength and reserve power in the flour. The dough must recover repeatedly from the punishment of machinery. In the oven it is called upon to withstand the strain of expansion under heat—the final test of flour strength.

Seal of Minnesota is a strong flour with plenty of reserve power. You can depend upon it to meet the stress at every stage of production. You need not do without Seal's extra strength and reserve power when prices are so attractive. Every baker can afford Seal of Minnesota flour this year.

INTERNATIONAL MILLING COMPANY
Minneapolis, Minnesota Buffalo, New York





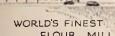
SEAL OF MINNESOTA

FLOUR MILLED FROM TESTED WHEAT





Kansas Grows the Best Wheat in the World



RED STAR MILLING CO. WICHITA, KANSAS

R. S. HURD, PRESIDENT

Elevator Capacity, 4,500,000 Bushels

Jotal Capacity 4700 Barrels "RED STAR"

The guiding star

Better Profits

Greets Next Step in Nation-wide Program—

September 23, 1931

Flood of Requests Brings Pillsbury Course of Lectures on Technical Cake Baking to Chicago, Cleveland, Pittsburgh and Buffalo



MR. A. F. GERHARD

Formerly head of Dunwoody Institute of Baking, author of "Hand Book for Bakers," contributor to bakers' and millers' trade magazines, and national authority on technical and practical baking, Mr. Gerhard is the man who conducts the course. He is assisted by L. W. Pickert, cake baking expert. Together they give to you the facilities of the Research Laboratories of the Pillsbury Flour Mills Company.

SCHEDULE OF LECTURE COURSES

Following are the dates and places where the first of the Pillsbury Course of Lectures on Technical Cake Baking will be conducted by Mr. Gerhard this fall:

Chicago-North Side, Sept. 28, 29, 30, Oct. 1-Hotel Belmont, Sheridan Road at Belmont.

South Side, Oct. 5 to 8, inclusive—Hotel Windermere, 1642 East Fifty-sixth Street.

West Side, Oct. 12 to 15, inclusive—Hotel Graemere, 113 North Homan Boulevard.

Pittsburgh - Oct. 26, meeting place to be announced later.

Cleveland- Nov. 9, meeting place to be announced later.

Buffalo -- Nov. 30, meeting place to be announced later.

SEVERAL months ago the Pillsbury Course of Lectures on Technical Cake Baking under the direction of Mr. A. F. Gerhard was offered at Minneapolis as the first step in a nation-wide program of education in the field of sweets baking. The response was instant. Bakers and their employees came many miles to hear the lectures. Word of the course spread rapidly and aroused the interest of bakers in all parts of the country-and the first announcement that the lectures would be made available to bakers in other cities was greeted by a flood of requests. The first cities to secure the next series of lectures under Mr. Gerhard are Chicago, Cleveland, Pittsburgh and Buffalo. Schools will be scheduled in other centrally located cities as quickly as time will permit.

This is not merely a demonstration class. It is a complete lecture course. Mr. Gerhard wastes no time with doughs and mixes. He gets right down to cases and gives valuable information about ingredients, variations in formulæ, cost of mixture, leavens, temperatures, yield, the baking process, correction of troubles and what the finished product should be like. Angel food, sponge goods, layer cake, loaf cake, bar cake, cup cakes, pie crust-he tells how to make them so good that it is no trouble at all to sell them, at a good profit! The lectures are followed by questions and answers. Each minute is packed with information which you can take back to your own shop and use. A certificate will be given to all who satisfactorily complete the course.

This is an extension course, open only to active bakers and their employees. Admission is by card only. If you are in or near any of the four cities scheduled, fill in the application blank and mail it. If you live in some other section, write to Mr. O. S. Otting, Pillsbury Flour Mills Company, Minneapolis. He will tell you the dates when Mr. Gerhard will conduct the course in the city nearest you. Applications will be acknowledged in the order of their receipt. There is no admission charge.

	Mr. O. S. Otting. Cake Plour Dopartment Pillsbury Flour Mills Co.,	
	Minnenpolis, Minn.	
	Dear Mr. Otting: 1 wish to attend the Pillsbury Course of Lectures on Tecl	
	Cake Haking to be offered at (City)	14.
	Please send me an admission card.	
	Name	
	Firm Name	
	Address	*****
-		

PILLSBURY FLOUR MILLS COMPANY

America's Leading Independent Millers

ANNOUNCEMENT

We have added to our line a SUPER-FLOUR of heretofore unparalleled quality. It is our ambition to offer the baking trade of America the finest flour ever produced of Kansas wheat, and we believe we have realized our ambition. We shall call this flour

"Gibraltar Special"

REPORT OF FLOUR ANALYSIS

FROM

ST. JOSEPH TESTING LABORATORIES

CHEMICAL ANALYSIS

BAKING ANALYSIS

Service Number	STANDARD	330		
Sample Marks	1931-32 Crop Kansas Patent			
Moisture as Received	15.00	13.36		
Ash as Received	0.40	0.393		
Protein as Received (Nx. 5.7)	11.00	12.73		
Ash 15% Moisture	0.40	0.385		
Protein 15% Moisture (Nx. 5.7)	11.00	12.49		
Acidity (As Lactic Acid)	N	Ņ		
Color Flour	100c	100w		
Viscosity	0	1520		
Gluten (Dry)	0	0		
Gluten (Wet)	0	0		
	D-Dark C-Cream	C. W. Cream White		
W-White B-W	В	G		
N-Normal Blue White	Brown	Gray		

Service Number	STANDARD	330		
Sample Marks	1931-32 Crop Kansas Patent	"GIBRALTAR SPECIAL"		
Absorption (Flour as Received)	61.0	63.7		
Dough (Lbs. per Bbl.)	315.5	321.1		
Fermentation (Full Time)	3	3		
Fermentation Tolerance (Maximum)	0	35		
Fermentation Tolerance (Minimum)	()	23		
Gluten Quality	G	G		
Gluten Characteristics	El	El		
Oven Spring	G	E		
Loaf Volume (By Measurement)	100	101.6		
Crumb Color	100e	101w		
Crust Color	GB	GB		
General Appearance of Loaf	S	S		
Break from Side	S	S		
Diastatic Activity	G	E		
	E. Excellent T. Tough	G. Good Fi. Firm		
F. Fair P. Poor	G. B. Golden	Fl. Flat		
El. Elastic S. Smooth	Brown B. Broken	M. Mellow		

Respectfully Submitted.

ST. JOSEPH TESTING LABORATORIES

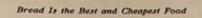
By R. L. PATTERSON

THE CONSOLIDATED FLOUR MILLS CO.

WICHITA, KANSAS

FRED F. BURNS, GENERAL MANAGER

4350 BARRELS DAILY



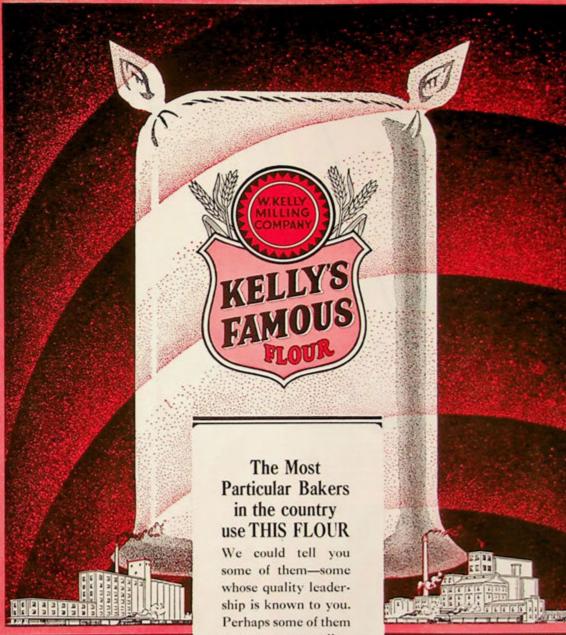
FLOUR

When the cost of flour is so very small an item of expense in your loaf, why not make sure of having the very best bread in your whole trade field? You can do it with THE ADMIRAL flour.

THE FLOUR MILLS COMPANY

CAPACITY 2500 BARRELS DAILY

Made in Kansas



Daily Capacity 2,500 Barrels ...

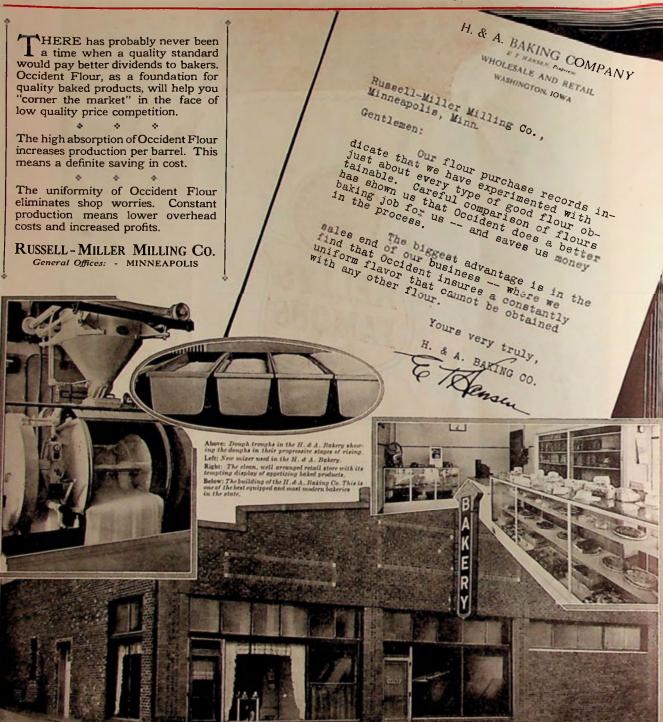
are your own qualitybread competition.

Grain Storage Capacity, 1,000,000 Bushels

WILLIAM KELLY MILLING CO.
HUTCHINSON, KANSAS

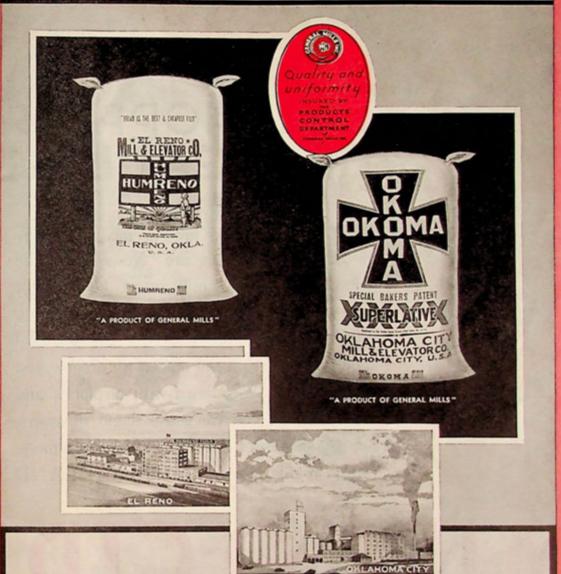
William Kelly, Orosident

"...Occident does a better job for us..."





NATIONAL MILLING INSTITUTION



OKLAHOMA CITY MILL & ELEVATOR CO. Oklahoma City, Oklahoma

EL RENO MILL & ELEVATOR CO. El Reno, Oklahoma

GOLD MEDAL FLOUR COMPANY OF OKLAHOMA
Oklahoma City

UNITS OF GENERAL MILLS

GENERAL MILLS, INC



THEIR attacks are spectacular and infrequent—they are "News"—but the lowly unheralded mill insect keeps right on plugging away day in and day out eating up the Millers' profits. The fight is a hard one, you can't fill the place with arsenic, you can't shoot them down with airplanes and gas bombs, you can't use flame throwers, but you can get rid of them just the same—used regularly—a little often MIDLAND

MILLOCCIDE

will free your mill of insect pests

A spray harmless to humans, stored products and raw materials, deadly to every creeping, crawling and flying insect.

START NOW

MIDLAND CHEMICAL LABORATORIES, Inc. DUBUQUE, IOWA



"Polar Bear" FLOUR IS KING

POLAR BEAR almost certainly will give you something new in the fine flavor of your bread. It is a real patent, milled from uniformly strong wheat—a flour that cannot possibly compete in price with get-by-someway straights, but that is fairly priced on the cost of the finest wheat and a fair earning for the miller.



Me NEW ERA MILLING CO. ARKANSAS CITY KANSAS

How Commander Select and Blend Wheat

"He that will have a cake out of wheat must needs tarry the grinding.

Have I not tarried?

Ay, the grinding, but you must tarry the bolting.

Have I not tarried?

Ay, the bolting; but you must tarry the leavening. Still have I tarried.

Ay, to the leavening; but here's yet in the word "hereafter" the kneading, the making of the cake, the heating of the oven and the baking; nay, you must stay the cooling too, or you may chance to burn your lips."

-Shakespeare

IN Shakespeare's time as in our own, the need for care in milling was recognized. While no milling laboratories existed, it was the custom for good millers to "tarry" each step in the milling process in order to make sure of the result.

One reason for the traditional care in milling is the fact that for centuries mill and bakery products have headed the list of foods from an economic, nutritional and palatability standpoint.

Bread is one of the most nutritious and economical of all food products. It contains 63% more food value per pound than beefsteak, yet costs only oneeighth as much per thousand calories. Lamb chops, the principal meat in modern "reducing" diets, cost five times as much per thousand calories as does white bread.

The following table gives good reason for the historic importance of mill and bakery products.

Comparative Economic Food Values

.FOOD		100		MOISTURE PERCENTAG		0	-		FOOI	VALUE P	ER LB.				APPROXIMATE COST IN CENTS PER 1000 CALORIES
Flour				12.5						1600			. 4		. 1.7
Rice				12.0			-			1720					. 5.0
White Bread '				35.3*			-			1215	24	-		1	. 6.0
Navy Beans				12.6						1600	•	•	•	•	. 6.2
Soda Crackers				5.0						1925	·	•	•	•	. 6.7
Whole Wheat Bread .			i.	35.0*			Ť	•	·	1140	•	•	•	•	7.1
Potatoes			Ľ	78.3			•	•	•	385	•	•	•	•	8.0
Macaroni (Uncooked)			ı.	10.0	•	•	•	•	•	1665	•	•	•	•	. 10.0
Macaroni (Cooked) .		· ·		78.4	•	•		•	•	415	•	•	•	•	10.0
Ginger Snaps	•		•	6.3	•	•	•	•	•	1895	•	•	•	•	
Graham Crackers .	•	•	•	5.4	•	•	•	•	•		•	•	•	•	. 11.0
Vanilla Wafers	•	•	•		•	•	•	•	•	1955	•	•	•	•	. 15.0
	•	•	•	5.9	•	•	•	•	•	2020	•	•		•	. 17.0
Sugar Wafers	•	•	•	2.4	•	•	•	•	•	2260	•	÷	•	•	. 17.0
Bacon	•		•	18.8	•	•	•	•	•	3030	•	•	•	•	. 16.0
Cottage Cheese		•	٠	72.0	•		•	•		510		•	ě		. 19.6
Cream Cheese			ė	34.2						1885			4	s	. 21.0
Candy (Stick)		•		3.0						1745					. 22.0
Lamb Chops				53.1						1540					. 31.0
Mackerel				73.4						645					. 39.0
Apples				84.6						290					. 41.5
Beefsteak				61.9						745					. 52.0
Beans (Green String) .	3/4	13	55	89.2						195	Ĺ	Ĺ			. \$2.02
(- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	10000		637												72.02

This table is arranged in order of cost per 1000 calories. Moisture content has an important bearing on cost per calorie. *A large part of the moisture content in bread consists of milk. In many foods the consumer pays for water. In bakery products the consumer pays principally for Food Value and in the case of bread the higher moisture content is largely due to the use of a large percentage of milk in making bread doughs.

COMMANDER

Larabee Laboratories

Before any wheat is purchased or milled we "tarry" until our laboratories have made their analysis and report. Through wheat selection, wheat blending, control during milling, inspection of the finished product, and actual service work, our Laboratories insure uniformity in the baking characteristics and high food value of Commander-Larabee Flour.

Crop Testing Before Buying—Just before each new crop begins to move into grain centers we secure samples of wheat from each and all sections, mill, analyze, and bake each one individually. Closely our wheat buyers work with our technical staff, making their notations. Thus they secure the choicest wheat.

Wheat Mixes Made Eight Days Before Milling—By this thorough survey over a large territory, wheat of highly different baking characteristics is obtained. Each classification is binned separately. From many bins, flours of different baking characteristics to suit any specific baking requirements can be made.

These mixes are made with great care, *eight days* in advance of milling. This permits careful checking of analytical and baking values. Should they not meet our exacting requirements, ample time is available to blend another mix and another until these requirements are fulfilled.

Control During Milling—To further insure uniformity and quality every step from tempering the wheat to checking granulation, color, flavor, protein, and baking qualities is constantly analyzed. Our staff hourly checks the finished flour and semolina products going to our customers. Our Laboratory Service Department sees to it that each bake shop receives flour suited to its particular requirements.

"August, September and October are poor months for speculation; equally bad are November, December, January, February, March, April, May, June and July."

—Mark Twain

Don't speculate. Commander-Larabee insures quality and uniformity. C. H. Harrie

C. G. Harrel, Director of Laboratories, Commander-Larabee Corporation. Mr. Harrel has been actively engaged in bakery production, laboratory, and research work in the baking industry for fifteen years. He understands the baker's problems both from the technical and the practical viewpoint.



LARABEE

THE GREAT FLOUR MILL OF THE GREAT SOUTHWEST

Superior Quality Always Is the Best Value



Milled in the Southwest's Premier Mill

THE SOUTHWESTERN MILLING CO., INC.

KANSAS CITY, U.S.A.

AT THE GATEWAY OF THE WORLD'S FINEST WHEATFIELD



SILK FLOSS

If Your Customers Want the Best...

If you can afford to supply customers with a cheaply baked loaf, you can afford to buy a cheaper flour than "Silk Floss." But if your customers want the best in bread, as most do, then you need "Silk Floss Quality" in flour.

Also

"SANTA FE TRAIL"

for bakers who want the very last word in flour quality.

The Kansas Milling Co.

Wichita, Kans





A Newcomer in the Sugar Family

By A. Adams Lund

HE way progress is applied to industry often reminds one of a new driver seated behind the wheel of an expensive car. In his impatience to get under way, he neglects to release the emergency brake.

Subconsciously, we resist change. We tell ourselves that we are a progressive people, that we must keep our minds constantly open for new things. But

just let some really new and revolutionary thing come along and we will think up every conceivable reason for getting along without it. I know of one man who, as recently as a year ago, told his family that he wouldn't buy a radio because they hadn't "perfected" them yet. In 1919 the corn products industry gave hirth to a new world staple—a white refined sugar from corn. A high government official holied it as a devel-

white refined sugar from corn. A high government official hailed it as a devel-

opment "of first importance to man-kind." Twelve years later we find some of the trades just beginning to take the interest in it that they should have taken during post-war days. They have been so busy advancing reasons why they shouldn't use it that they have passed up the more obvious reasons why they should.

The new sugar came into the world under a very definite handicap. For 200

years sugar chemistry has been interpreted to the artisan in terms of sucrose (cane sugar). The common expressions of sugar boiling—"string," "thread," hard ball," "crack," etc., have all been given exact temperature equivalents in terms of sucrose. They don't work for dextrose. The thousands of formula and recipe books in use throughout the country call for "sugar," as though it were a single entity. Now the cook, the baker and the candy maker must be taught that there are not one, but many, sugars—all differing in physical properties one from the other, and cach by its nature specifically adapted to particular uses. Only in rare instances can he use these sugars interchangeably in his formulas without getting into difficulties of one sort or another.

sort or another.

If he attempts to use the new product without listening to what the manufacturers are willing to tell him about it, he is very likely to encounter a few surprises. If he decides that it is not worth all the time and trouble to find out how it can be used properly, lo, and behold his competitor gets the jump on him by capitalizing on some physical property of the new sugar to improve his product and increase sales. There is no short cut for the production man. If he wishes to keep abreast of the times, he must learn his particular chemistry of sugars all over again, and this time from a more cosmopolitan standpoint.

It follows as a corollary that for a

all over again, and this time from a more cosmopolitan standpoint.

It follows as a corollary that for a new sugar to merit this time and attention on the part of a particular industry, it must be something more than just as good or just as cheap. If it merely takes the place of ordinary sugar, pound for pound, without offering any tangible superiority in the quality or consumer appeal of the finished product, or in the speed and facility with which this product can be made, then it must be cheaper than ordinary sugar to be worth changing formulas for. If it is offered on a price parity with ordinary sugar, then the physical qualities of the new sugar must be such as to compensate for the lack of price advantage. It is a hard law on the newcomer in the raw material field because it places upon it the burden of proof to show wherein it is superior. The economic code differs from the legal code in this respect, in that it refuses to "adjudge the prisoner Innocent until he is proved guilty."

The fact that refuned corn sugar has attained the volume and status of a major food product in so short a period of time may be taken as evidence that the product has had less to fear in this respect than a host of less worthy products which have gone the way to oblivion in even less time.

Something of a realization of the Spartan philosophy inspired the corn

ucts which have gone the way to oblivion in even less time.

Something of a realization of the Spartan philosophy inspired the corn states in their 10-year fight for official recognition of commercially pure hydrate and anhydrous dextrose on a parity with refined cane and beet sugars. The logic of their case was plainly apparent. On Jan. 2 of this year the restrictions requiring that the presence of refined corn sugar in certain classes of product be stated on the label were withdrawn one of the most sweeping food decisions of our times. Subsequently, the standards and definitions of food products in general were changed to conform to new ruling. Today breads, sweet doughts prepared flours and all other product except the sugar itself may not only contain refined corn sugar without its ence being expressly indicated on label; but even though the label actual states that the product contains "sugars" these terms or "granulated sugar," these terms henceforth understood to mean either or dinary sugar or refined dextrose.

One might reasonably ask what production was afforded to the purchaser the prevent refiners making inferior semircfined grades of corn sugar inder and "affars or intended grades of corn sugar maketing their products under and "affars of contains" the production of the purchaser and "hydrated dextrose and "affars of contains" the production of the purchaser and "hydrated dextrose and "affars of contains" the production of page \$84.)

When LEADERS get together

A satisfied baker told us recently: "I'm making money in spite of present market conditions, because the new bakery you designed for me is so efficient that I can control my product and my costs." He echoed the experience of those who sought The W. E. Long Company first, when they had an engineering or building problem before them.

When the Engineering Division announced its new design of humidified, controlled, economical bread cooler, a dozen leading bakers contracted at once for installation. Now they enjoy the added economies of low cost operation, with the satisfaction of completely controlled cooling.

That's why they are leaders—they seek those qualities of leadership in others that insure efficiency-economy-and profitable operation.

Bring your problems to The W. E. Long Company, whether they are Engineering, Production, Accounting, or Merchandising, and you will profit thereby.

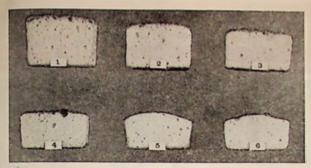
The W. E. LONG COMPANY

155 North Clark Street + + + Chicago

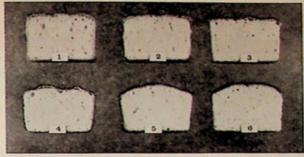
ADVERTISING · ACCOUNTING · ENGINEERING · LABORATORY · PRODUCTION



(Continued on page 884.)



THE SPONGE-CAKE SERIES ALL SCALED ALIKE (note difference in volume). Cost per cake: No. 1, 6.6c; No. 2, 5.6c; No. 3, 5.1c; No. 4, 4.7c; No. 5, 4.3c; No. 6, 4.5c.



THE SPONGE-CAKE SERIES SCALED TO GIVE EQUAL VOLUMES. Cost per cake: No. 1, 6.35c; No. 2, 6.31c; No. 3, 6.31c; No. 4, 6.36c; No. 5, 6.48c; No. 6, 6.66c.

Here's the way to improve sponge-cakes

—give them better eating qualities—keep them fresh and salable longer

MANY bakers have found that a straight sponge - cake, made without shortening, dries out quickly and becomes unsalable much

The so-called "short" sponge-cake, on the other hand, is a cake that's more palatable, more tender—a cake which remains fresh longer.

sooner than other types of

cakes.

Our free book, "Better Cakes — Bigger Profits," gives 7 sponge-cake formulas, from the old-style straight sponge through others with varying de-

grees of richness. Because we have had so many requests (both from bakers and from members of the allied trades in behalf of their customers) for suggestions that will improve sponge-cakes, we are reprinting the formulas on this page.

These cakes vary considerably in cost. But among them there is doubtless at least

SPONGE-CAKE SERIES

Beat together at 110° F. until of proper lightness.*

	(1)	(2)	(3)	(4)	(5)	(6)
Eggs	10 lbs.	10 lbs.	10 lbs.	10 lbs.	10 lbs.	10 lbs.
Sugar	8 lbs.	10 lbs.	10 lbs.	10 lbs.	10 lbs.	10 lbs.
Salt	21/2 ozs.	3 ozs.	$3\frac{1}{2}$ ozs.	4 ozs.	41/2 ozs.	5 ozs.

Mix together and heat to 110° F, to melt the Crisco and dissolve the sugar. Add gradually to the heaten mixture, stirring in at second speed (about 5 revolutions).

Sugar		2	lbs.	4 lbs.	6	lbs.	8 lbs.
Milk	2 lbs.	4	lbs.	6 lbs.	S	lbs.	10 lbs.
Crisco	1 lb.	11/	lbs.	2 lbs.	21	bs.	3 lbs.

Sift the flour and baking powder together and add. Incorporate on low speed with the least amount of mixing possible.

Flour	6 lbs.	8 lbs.	10 lbs.	12 lbs.	11 lbs.	16 lbs.
Baking nowder		1 oz.	2 025.	3 ozs.	1 nzs.	5 ozs.

Approximate cost of mix per pound:

.131/2 .12 .101/2 .10 .09 .051/2

*Heat carefully to avoid coagulating the eggs. Heat small batches by placing mixing bowl in a water bath (not higher than 130° F.). Large batches may be heated carefully over a low fire. A jacketed mixing bowl is ideal for these mixes.

one which squarely meets the requirements of any baker—not only for his boxed



sponge-cakes, but for shortcake layers and jelly rolls, too.

If you are a baker, we suggest that you turn to pages 73 to 76 of "Better Cakes—Bigger Profits," and read again the discussion of the "short sponge" mixes. You'll find there much practical information that will help you to improve your sponge-cakes and increase your cake profits.

If you sell to bakers, bring this chapter to the attention of your customers. Over 18,000 bakers already have received our book, "Better Cakes." We will be glad to send copies to any one in the allied trades, or—at their suggestion—to any of their baker-customers.

CRISCO BAKERY SERVICE

available to Bakers and Members of the Allied Trades

SERVICE BOOKLETS: The Crisco Bakery Research Department publishes booklets on various baking topics. The booklets already issued are on

CAKES COOKIES PIES
ICINGS DANISH PASTRY

RESEARCH: In its work during the past eight years, the Crisco Research Bakery has gathered together a mass of data and practical experience on almost every baking topic. This experience and information is at the call of bakers, and those who sell to bakers, to help in solving baking problems.

ADVERTISING and PROMOTION: The "Dessert isn't complete without cake" campaign is Procter & Gamble's contribution to the promotion of the bakers' sweet goods business. Double pages in full color appear from time to time in leading national magazines. Write us for details.

The facilities of Crisco Bakery Service are available at all times to bakers and to members of the allied trades and to their salesmen. Address inquiries to

PROCTER & GAMBLE (Bulk Crisco Dept.) 1113-J. Gwynne Bldg., Cincinnati, Ohio

A Big Week for Bakers



C Kaulmann & Fabry

Come to CHICAGO

THE 1931 American Bakers' Association Convention beginning September 21st for one week at the Sherman Hotel in Chicago will solve many problems confronting the baker.

This meeting will be of great importance to every baker in the country. They are going to get down to "brass tacks" and to the bottom of the ills and troubles of the entire industry.

It promises to be a real educational week, and every baker will profit by attending—so come to Chicago.

Anheuser-Busch Yeast and Budweiser Diastatic Malt Extract completely fulfill the prime requisites of perfect fermentation.

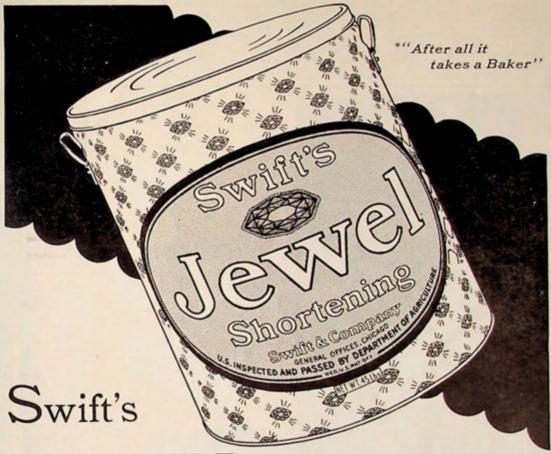
Anheuser-Busch VEAST





Chicago Headquarters of Anheuser-Busch, 750 S. Clinton Street.

Field Museum and Soldiers Field—largest stadium in the world.



JEWEL Shortening

Swift & Company's famous list of TESTED bakery supplies

BROOKFIELD FROZEN EGGS...
FRYENE..BAKER'S PASTRY...
PREMIUM OLEOMARGARINE...
"SILVERLEAF" BRAND PURE
LARD..JEWEL SHORTENING...
PYAC..BAKEALL..KAKEBAKE
..BROOKFIELD BUTTER...
VREAM..U.B. MARGARINE

Jewel is a rich, wholesome, neutral shortening. It is ideal for pies and general bakery uses. Smooth textured, bland in flavor and creamy white. Supplied in 45 pound cans, 60 pound tubs, 110 pound drums, and tierces.

Swift & Company

North Carolina's Inspiring Meeting

By R. S. Hancock

"WE do not need the bakers that are not present here this morning half as much as they need us," President A. J. Salley said, in opening the annual convention of the North Carolina Bakers' Association held at the Villa Hotel, Morehead City, N. C., Aug. 17 and 18

Let the bakers of the country who are inclined to sweat under the condition of

5c bread take heart at the messages de-livered at this convention; also members who are lukewarm to their associations should be inspired by the enthusiasum manifested in this young association. In calling the convention to order, President Salley told of the work the association had accomplished in its two years of life. He looked forward to the many invaluable services which the or-

ganization can render its members in the future.

"We can get along without the members of our trade who are not present here this morning," President Salley continued, "but can they get along without us? That is a question for them to decide." In impressing this statement, he reverted to that time-tested maxim, "United we stand; divided we fall."

In delivering the opening address, President Salley clearly defined "Co-operation." He gave the different phases of this word and told the hakers they could choose the phase that best suited their individual needs.

THE SUCCESSFUL BAKER

An instructive address on "Creating Dealer Good Will" was presented by Miss Alice Dowling, of Standard Brands, Inc., New York City. She pictured a successful baker in the handling of his adsentising; the handling of his salesmen, and last but not least the handling of the bakery itself.

Analyzing successful salesmen, Miss Dowling outlined worth while facts for the bakery proprietor. He should look for these qualities: personality, cleanliness, courtesy and knowledge of product. "The housewife of today is as much interested in vitamins as she is in any vital factor of life," Miss Dowling said.

Mr. Robinson, in his address on trade associations, likened them to the states of the Union. He rend quotations from some of the leading men of today on the value of trade associations to their members and the public.

Called to order by O. C. Jones, Tuesday's meeting was given over to a business problem forum. Members had the floor for a frank discussion.

The first question, and one that seemed to be very popular, was: "Can a baker make a nickel loaf of bread profitably?" The unanimous consensus was that it could not be made at a fair profit, if the

The unanimous consensus was that it could not be made at a fair profit, if the product was to maintain its high qual-

could not be made at a fair profit, if the product was to maintain its high quality.

Mr. Streb, of Raleigh, said his method of getting around the 5c loaf was to impress upon his salesmen that if they pushed the nickel loaf it meant a decrease in salary. If they pushed the dime loaf it meant, of necessity, an increase. Therefore his trouble along this line had been very small.

President Salley expressed the opinion that the public was turning to quality more than ever before, and that the baker who failed to push and advertise high quality would be left holding the bag. He said his bakery had suffered no loss of business because he did not push the nickel loaf. He also expressed the idea that a nickel loaf ruined other products the quality of which was conscientiously maintained by the baker.

"Once a housewife is stung on a piece of goods," he explained, "she will be inclined to refuse other articles from the same bakery."

Mr. Granber expressed the opinion that

same bakery."

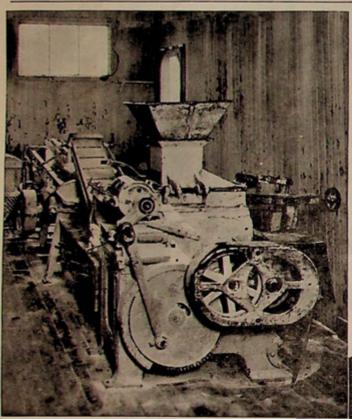
Mr. Gracher expressed the opinion that

Mr. Graeber expressed the opinion that if a baker was going to make a nickel loaf, his best recourse was to change his wrapper and use something entirely foreign to anything he ever used before. All officers and committees were elected to succeed themselves, with the addition of two new members on the executive committee. They follow: president, A. J. Salley, Statesville; vice president, O. C. Jones, Greenshoro; secretary, E. B. Graeber, Charlotte; treasurer, W. B. Neal, Chapel Hill. To serve on the executive committee with Roger Grant, western North Carolina, were elected A. A. Kafer, Sr., and J. B. Fox, Sr., eastern Carolina.

Wheat Stands First By Dr. E. V. McCollum

Johns Hopkins University

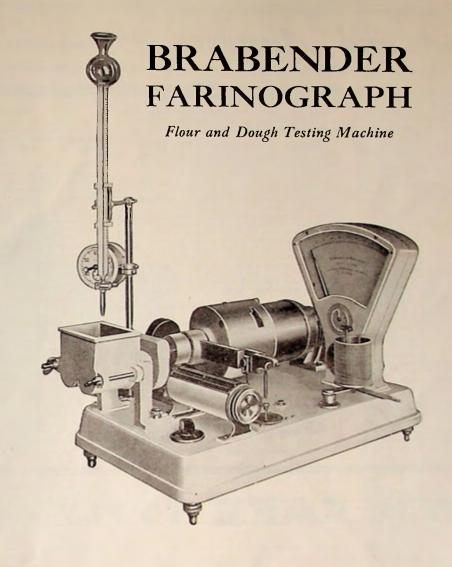
A MONG cereal grains, wheat easily stands first in the quality of its proteins. It is by no means essential that bread be made an absolutely complete food. It would run counter to human instincts and desires to restrict numn instincts and desires to restrict the diet solely to bread. We do not re-quire bread to supply everything that is necessary and in optimum amounts for satisfactory nutrition, but only that it he excellent from the standpoint of nutri-



- Twenty million loaves have gone through the pockets in the fourteen years this faithful old American Standard Divider has been in operation.
- It stays on the job, smoothly, accurately-the oldest employee in the plant.
- It was designed on the right principle of divider engineering-and built for performance, economy and long life.
- Hundreds of American Standard Dividers are accurately scaling off the doughs after long years of service in the bake shops of America.







THE STORY OF A FLOUR

is told in the changes in consistency of a dough in its progress from the mixer to the oven. That is a well-known fact—nobody disputes it. Every variation introduced during the milling process, every modification of the flour blend, will vary the consistency of the dough at some stage of the production process in the bakeshop.

The accurate, speedy measurement of the consistency of a dough, with an exactness of one-fifth of one per cent, is but one of the many applications of the FARINOGRAPH. It also depicts the fermentation tolerance of a flour, its maximum water absorption capacity, the elasticity and strength of its gluten, the ability of its gluten to withstand mechanical abuse, etc.

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MINNEAPOLIS

FLOUR EXCHANGE BLDG

MINNESOTA

Questions and Answers &



Conducted by A. F. Gerhard

Sliced Bread

We are having some trouble with our sliced bread. Under separate cover we mailed you a sample load. You will notice that the crust is badly chipped. We changed flour recently, and then our trouble began The reason we think it is due to the flour is because our other bread also has a crust that chips very easily.

C. J. Y., California.

Upon examining the loaf you submitted I have come to the conclusion that the dough is somewhat over-fermented. Perhaps the flour you are using now is not of the same strength as that you previously used. I suggest that you set the dough one or two degrees cooler, and ferment it a little less. When these suggestions are applied, I am sure that the age of the dough will be reduced enough to produce a loaf with a soft crust, which will eliminate your difficulty of chipning.

Potato Bread

Can you send us a good recipe for potato bread? The leading baker in this community started to make it recently, and we understand that he uses potato flour. We have some of this flour, but cannot make a good loaf from it.

J. A. C., Indiana.

Potato bread, when made with potato flour, is produced in the same manner as ordinary white bread. The formula differs very little, and the percentage of potato flour used should be very small. Usually the make-up of the loaf is a little different. It should be rolled in flour, or part wheat and part potato flour. The baking should be done entirely without steam, so that the loaf has a dull, homemade finish. The following formula will make an ideal potato loaf: 5 lbs dry milk
3% lbs salt
4% lbs yeast
1 lb yeast food
8 lbs potato flour

200 lbs hard wheat flour 120 lbs water (approxi-mately) 5 lbs granulated sugar 2 lbs malt extract 5½ lbs shortening

Mix this in the same manner as an ordinary white bread dough. Dissolve the potato flour with the sugar and salt. Dough temperature should be about 78 de-

grees. The first punch should come in 90 minutes after mixing, 75 before the second punch, and 15 to 20 minutes before making up.

This bread can also be made with the sponge method. In that case the potato flour should not be added until the sponge is mixed into a dough.

Dough Temperature Too High

We are mailing under separate cover a loaf of bread baked today, which we would be glad to have you score and give us your comments.

I. C. M., Indiana.

This loaf has been examined and the following suggestions are offered for its improvement:

Since 1 do not have the formula or baking data, I gather my conclusions from the appearance of the loaf. This indicates that the dough temperature is too high or the dough is allowed to warm up too much during fermentation. The loaf had a very open grain structure, and several large holes. The holes can be eliminated by proofing a little longer before molding, and the grain can be improved by lowering the dough temperature. The crust color and the taste were not quite up to standard. However, the lower dough temperature. temperature. The crust color and the taste were not quite up to standard. However, the lower dough tem-

A SERVICE FOR BAKERS

SOLUTION of bakeshop problems is gladly undertaken through this department for subscribers of The Northwestern Miller and American Baker. Mr. Gerhard is well known to the industry, and his former position as head of the baking department of Dunwoody Institute gives him exceptional qualifications for dealing with day to day perplexities that trouble the baker. Communications and samples of baked goods should be addressed to The Northwestern Miller and American Baker, 118 South Sixth Street, Minneapolis, Minn.

perature will automatically bring about a better taste and a better color of the crust.

Hard Rolls

We have always had difficulty with our hard rolls. Invariably they will become soft shortly after haking. The crust is tough and hard to chew. Kindly send us a formula at your convenience. A. F. P., New York. a formula at your convenience.

The secret in making a good hard roll is in the selection of a good short putent flour and in exercising care regarding the amount of salt used. Salt is hygroscopic; consequently, when too much is used the retention of moisture in the rolls causes them to become soft. A fairly high protein short patent flour should be used, and just enough salt to stabilize the dough fermentation. The average is between 1 and 1½ per cent.

addition to the above, it is also necessary to ferment the dough slightly longer than for ordinary pan bread. The formula given here will produce a nice, crisp roll if the above suggestions are applied:

20 lbs short patent hard 20 mindle extract wheat flour 12 lbs water (approximately) 60 z yearst food 20 z dry milk 20 z dry milk

Assemble these ingredients in the same manner as when mixing white bread. The dough temperature should be about 79 degrees. Ferment to a point where the dough will recede when lightly touched. This should require about two hours. Punch and allow to rest 15 to 20 minutes before making up.

Dark Sour Rye Bread

Will you kindly publish a formula for dark rye bread in which some sour dough is used?

O. G. R., Colorado

Sour rye bread can be made with two methods. The first is by adding a piece of old and sour rye dough to newly mixed dough. This is usually a straight (Continued on page 822.)



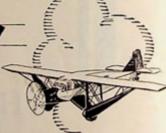
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There is safety for the bakers in a well tried yeast... Red Star Yeast ... which has undergone the most severe tests over a long period of years under the most trying conditions. Red Star is manufactured under the rigid inspection of men thoroughly trained and conscientious in their effort to insure safety in the bake shop so far as that may hang on the dependability of the yeast used there.



The plane pictured is a single-engined monoplane. This type aircraft has gained an enviable

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Read the monthly Red Star Yeast Educational Bakery Bulletins. They dicuss timely subjects of great value concerning bake shop prac-tice. Sent free to anyone interested. Just send us your name and address.

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HENRY NEWCOMB.



HENRY R. NEWCOMB

Vice President

STANDARD BRANDS INCORPORATED

"I know of no industry other than the baking industry," remarks Henry Newcomb, "where there is such whole-souled good fellowship among all its members. Particularly, I appreciate this as a member of the Fleischmann organization. I always feel that if I or any other Fleischmann man were stranded in a strange town there is one place where a friendly greeting would be waiting —and that's at a baker's. By the same token, no baker is a stranger in any town that holds a Standard Brands office.

"Practically every day some baker, whom I may not have seen or heard from in years, phones and says, "Hello Henry. Thought I'd say howdy while I'm in town." Things like that put pleasure in business.

"The biggest asset the makers of Fleischmann's Yeast have, isn't on our books. It's 30,000 baker friends!"



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FLEISCHMANN'S YEAST SERVICE

Questions and Answers

dough process. In the second method a sponge is set with sour dough and rye flour. The character of the finished loaves from these two doughs is different. The sour sponge method produces the most pleasing flavor. For your convenience I am giving here a formula for each kind.

Straight Dough Sour Rye Brend

120 lbs first clear flour 60 lbs dark rye flour 112 lbs water (approxi-mately) 4 lbs salt

4 lbs sait

The sour rye dough is a piece held over from the previous day. It is placed in the mixer with the water and other ingredients. The dough is mixed like any straight dough. Mixing time should be about 10 to 12 minutes in high speed. Temperature, 79 degrees. First punch in about 120 minutes, second in about 75, and to the bench or machine in about 20 minutes.

Sour Sponge Rye Bread SPONGE

45 lbs dark rye flour 65 lbs water (approxi-mately)

10 lbs hard wheat flo 20 lbs sour tye dough 1 lb yeast

Mix about 5 to 6 minutes at medium speed. Temperature about 80 degrees. Ferment 4 to 41/2 hours. It should drop thoroughly.

0 lbs first clear flour lbs water (approxi-mately)

Mix into a medium stiff dough. Temperature about 82 to 83 degrees. Allow to stand 30 minutes, then make up. If a caraway flavor is desired, add 8 oz ground caraway seed.

Jelly Roll from Sponge Mix

We are making a jelly roll from a sponge mix which contains egg yolks instead of whole eggs. While this mix is excellent for sheets and layers, we always have trouble with the jelly rolls. Invariably they will crack. Please send us a recipe for a sponge mix that can be used satisfactorily for a jelly roll.

B. C. B., Michigan.

It is very difficult to make a good jelly roll from a sponge mix in which only egg yolks are used. Some whole eggs are necessary in order to obtain flexibility. The following hot milk sponge will produce excellent layers, sheets and jelly rolls. In fact, it is not neces-

sary to roll them hot, as the sheets will be flexible enough after they are cool.

HOT MILK SPONGE CAKE

2 lbs granulated sugar 4 oz invert sugar 1 qt eggs (¼ yolks) 2 lbs soft wheat flour

光 ox baking powder 光 oz salt 光 oz vanilia extract i pt milk (hot)

Place the eggs and granulated sugar in a kettle, and heat to 100 degrees while beating. When firm, add the flavoring and hot milk. Dissolve the invert sugar in the hot milk. Lastly, fold in the flour. Bake in a weedlym over

Coconut Butter Macaroon

Am sending you a sample of a cooky that I would like to make. This cooky is made by machine, and is a very good seller in this locality. Please send me a formula.

The sample which you submitted is a coconut hutter macaroon, a very rich drop cooky that can be run on the wire cutting machine. The following formula will duplicate your sample:

Cream 15 minutes at high speed:

75 lbs granulated sugar 1 lb sait 55 lbs shortening 20 lbs butter

3 oz butter color % lb vanilla 3 lbs dry milk

Cream 7 minutes:

12 lbs eggs

Cream 5 minutes:

Mix 3 minutes:

100 lbs soft wheat flour 80 lbs fine coconut

2 oz soda 4 oz cream of tartar

Run through a small star die on a wire cutting machine. The pans should not be greased. Bake in a medium hot oven.

Box Buttermilk Biscuits

Please send me a recipe for ice box buttermilk biscuits. Have had several calls from customers for oven ready biscuits, and should like to get some on the market soon. O. S., Tennessee.

Oven ready biscuits are prepared in somewhat the same manner as baking powder biscuits. Care should be taken that all the ingrecients are very cool when mixing. When the dough is finished and the biscuits cut out, they should be kept cool until ready for the

It is better to use cultured buttermilk, because

churned buttermilk is not always uniform in acid content. The following is a formula that will produce a light and fluffy biscuit:

34 ibs soft wheat flour 1 oz soda 12 oz shortoning

Rub the shortening into the flour as for pie dought. Prior to this, sift the soda thoroughly with the flour. Add the milk and sugar and mix, being careful not to mix too strenuously. Roll out one half inch thick, cut with a small, plain cutter, set on pans and place in icebox until thoroughly chilled. Remove and pack in containers, ready for sale. Then keep cool until sold. It is advisable to wash the tops of these biscuits with milk or egg before baking.

English Crumpets

Could you kindly give me a recipe for English crumpets, the hot plate variety? Please state also if an electric hot plate can be used instead of gas. I am going into this on a large scale, starting with about 100 dozen daily. Please give me the approximate measurements that would be satisfactory for this output.

H. F., Manitoba, Canada

Very delicious English crumpets can be made from the following typical formula:

Set a sponge with:

5 lbs hard wheat flour 4 oz yeast 3% the water or milk

Sponge temperature should be about 82 degrees. When the sponge drops thoroughly, add 2 oz salt and a pinch of soda. Mix this into a smooth batter. The dough should be soft enough so that it can be dropped

dough should be soft enough so that it can be dropped out like cup cakes.

Heat a hot plate to baking temperature, and grease the top lightly. Place on it metal rings about 3 to 3½ inches in diameter and 1½ to 1½ inches deep. These rings should also be slightly greased on the inside. Fill each ring with the above batter. Let this bake thoroughly and slowly; when the bottom becomes an even brown, turn on the other side. The rings can be removed before the highly these thread even.

even brown, turn on the other side. The rings can be removed before the biscuits are turned over.

The best equipment you could obtain for this work would be electric hot plates. The temperature can be controlled in this way much better than with gas. If you intend going into this on a large scale, I advise that you get two hot plates 30x36 inches. This will cook six dozen three-inch crumpets at a time. I am sure that you can obtain these plates from a restaurant supply house in your vicinity.

Insures the **OUALITY**

Housewives demand

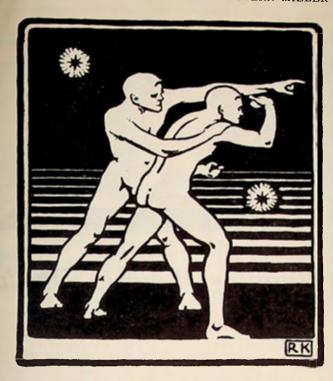
VERY baker knows the importance of L quality ingredients. The great majority of bakers in this country and Canada have found that Diamalt in their bread and yeast-raised goods insures the quality modern housewives demand.

Baked goods containing Diamalt sell faster and bring repeat orders, because Diamalt adds both eye and taste appeal. It brings out an inviting golden-brown bloom, and develops appetizing, palate-pleasing flavor -two features that make for bigger sales. In addition, Diamalt produces a more tender crumb, a better texture and longer lasting freshness.

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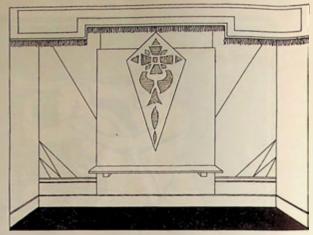


Fig. 1. An Effective Semipermanent Background

Inviting Window Displays

N Fig. 1 is a background that can be installed in the window without a backing of any kind, or in the window with a permanent back. It is made in three sections, a center panel unit and two outer panel units. These are so con-structed that it is easy to get into the

Fig. 2. A Three-Leaf Screen Makes a Good Background

window by merely removing one of the panels. In fact, all three could be set up in the window so that each could be removed without interfering with the others. Where possible, however, the center panel should be permanently installed, and an entrance to the window should be provided by means of the removal of an outer one.

This background will serve the purposes of a permanent back for the window, which has none. That is, it may be used permanently until it is desirable

be used permanently until it is desirable to install another. In the window with a back it is purely temporary, even though it is used for a considerable period of time.

The center panel has a shelf attached at a suitable height from the floor. It The center panel has a shelf attached at a suitable height from the floor. It is also decorated with a diamond shaped placque, or additional panel. The entire background is constructed of wall board, except the shelf, which may be of wood or glass, supported by wooden brackets. A baseboard runs across the backets that the statistical statistics are shelf.

brackers. A basebart runs across the back and the two adjoining sides. The two side panels, it will be noted, overlap the center panel, the lapping being at the back. This is the best way to install the three units when one of them has to be removed to provide an entrance into the window. If the entrance is at the side of the window, as

is often the case, the panel units may be set flush, one with the other.

For the purpose of having these panels strong and sturdy enough to keep their position without warping or sagging, it will be necessary to make frames of wooden strips and nail the panels to them. If there is no back to the window, if it is composed of glass, a cuttain wooden strips and half the planes to them. If there is no back to the window, or if it is composed of glass, a curtain of some cheap fabric may be hung against the back of this background so that it will not have an unsightly ap-pearance from the interior of the store.

that it will not have an unsightly appearance from the interior of the store. The easiest material to apply as a finish is wall paper. It is also the easiest to procure in the smaller towns and cities, and is the least expensive. Therefore it is suggested that wall paper be used to finish the panels.

The center panel should be covered with a paper slightly darker than that used for the side panels. Mottled papers are suggested, or papers of the oatmeal type. These are pasted to the panels in exactly the same manner as the paper is applied to a wall in a house. At the same time paper should be pasted to the back of the panels to prevent the latter from bending out of shape by the shrinkage of the paper when drying. If the same kind of paper is used on both sides of the panels the pull of the shrinking paper during the drying process will be equalized, and no difficulty will be cumulated through shrinkage. In applying the paper it is necessary to allow for overlapping at the edges in order that they may be neatly finished.

After the ground paper is applied the baker may add any further decorations he desires. He may use the borders actions of the paper is the surface of the paper is applied the baker may add any further decorations he desires. He may use the borders actions and the surface of the paper is applied the baker may add any further decorations he desires. He may use the borders actions and the surface of the paper is applied the baker may add any further decorations he desires.

(Continued on page 864.)

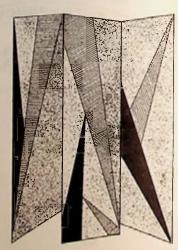
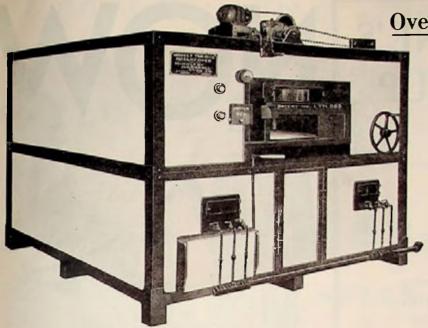


Fig. 3. Modern Art Screen



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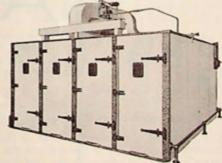
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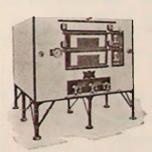
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This is largely due to the right kind of Wrapping! When your name is on a KVP Wrapper, in a striking design, you can be sure the housewife will notice it, remember it—and buy again.

KVP "Stay-Put" Self-Sealing Bread Wrappers add a colorful appearance which invites the eye and the appetite—they also retain freshness and flavor in the loaf for the longest possible time.

Your machines work better and faster with this Wrapper. Strong yet pliable, it wraps smoothly and securely.

Write us for working sheets showing novel and distinctive designs—in such wide variety.

KALAMAZOO VEGETABLE PARCHMENT COMPANY

Kalamazoo - - Michigan



The Jine Art of Making Change

By Henry Frommes

If the cash register is truly the "heart of the retail bakery" it is entitled to a square deal on the part of the clerks who operate it. Not all of the retail bakers of the country can afford cashiers and thereby center their cash landling responsibilities. The great majority of necessity must intrust this work to those who wait on trade.

The eash register has done much to simplify eash handling in the bakery field. But there still is the human factor with which to contend. No cash register will absolutely protect the shop from the results of carelessness or lack of knowledge in the matter of making cash transactions. And the annual loss from this source is perhaps much greater than the average baker realizes.

The baker comes to expect occasional errors and losses in this respect from time to time when, as a matter of fact, a little system in the handling of money would eliminate many, if not all, of these losses. A large insurance exchange recently investigated this matter and offered some worth while ideas.

Errors in handling cash at the counter work one of two ways. They result in a loss to the store or a loss to the customeer. In either case, the store suffers the damage—or most of it. Hence, the necessity to reduce such errors.

MATTER OF HABIT

What is termed "good change making habits" appears to be the answer to this problem; that is, a series of minor habits in taking money from the customer, in making the change and in returning the change soon become so natural to the change soon become so natural to the sales person that losses almost never oc-

These little "habits" are summed up the insurance investigator as follows, (abbreviated):

- (a) Always examine the money handed you by a customer and state, aloud, what it is, so that the customer hears you.
 (b) If it is currency, open out the bills before the customer at once as you speak.
 (c) Do not lay down the money on the courter or on the presister.
- the counter or on the register ledge while you do something else.

- largest units possible. This tends to ward off error.
- (g) Where a coin looks doubtful, give it a bounce on the register ledge and not within earshot of the customer if you can help it.
 (h) Always count the silver into the
- customer's hand.

 (i) Don't accept cash from the customer until the complete order
- is filled.

 (j) Do not let cash lie about on counters during a sale.

 (k) Ring up your own cash—don't intrust it to some one else.

WHERE LOSSES OCCUR

According to this information, losses occur as follows in the order of their im-

- 1. Carelessness in making change failure to count properly or re-peated counting.

 2. Leaving money about on the count-ers during a sale.
- 3. Accepting counterfeit.

It would be hard to judge the annual losses of the average retail store in the trade which result from carcless or faulty cash shortages every day for a month without any certainty as to their cause; so that only a conjecture can be made as to what percentage is due to faulty or careless change making. Seven typical stores in the trade reported their esti-mates as follows:

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At best, these are fair opinions. But they do give a rough idea of what may be expected.

There are two essential things to making change—speed and accuracy. Accuracy, of course, comes first. But the trouble is that clerks as a rule handle money any old way; they fail to recognize that greater facility comes with movements which are logical and which have been used for years by bank tellers.

The banks have the "two count" rule, which has been likewise adopted in many retail stores. Under this rule, every clerk is required to count money twice upon every occasion; one count at the register (change) and another when the change is passed over to the waiting customer. This double count is a fair check on accuracy.

In this connection, a good many deal-(Continued on page \$86.)

ir's Quality THAT SELLS YOUR

"Bakers are among the last of the manufacturers of food to package their goods. They've made a good beginning. but some of them have depended upon the beauty of the package, rather than the quality of the contents, for sales."

-Northwestern Miller, February 25th, 1931

TT'S the fresh and appetizing taste ▲ of your cakes that makes the housewife buy and buy again. Eyeappeal is important, but it is dearly bought if size and quality suffer, or if your margin of profit is shattered by over-expensive wrapping.

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Offers you all the advantages of a transparent, greaseproof, and moisture proof wrap at a remarkably low cost.

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Without obligation, send me a liberal trial supply of Riegel's Waxed Glassine, suitable for Cakes Cookies C





send for your

copy today

Unmistakably the baking industry is turning again to unbleached flour

THERE is no mistaking the trend. Bakers are going to unbleached flour for stability, for easier, surer handling in the shop, for unimpaired eating qualities.

Of course, the mere fact that a flour is unbleached offers no guarantee of its quality. So King Arthur Special is milled exclusively from the finest Northern No. 1 wheat; and the sound, healthy gluten is brought to full maturity by nature alone.

The result is a flour that gives its best even when the mixing period is over-run—that you can take late to the divider without danger of a weak-ened gluten—that can remain in storage for an extended period and remain strong and sound—that brings to the consumer the full, delicious flavor of fine wheat.

The baker using King Arthur Special Flour is given three very definite guarantees:

- 1. King Arthur is unbleached. No chemical or physical maturing agent is used in the milling process. None need be added to the dough.
- Only selected Northern Grown No. 1 Hard Spring Wheat is accepted, and the flour is milled to a perfect granulation.
- 3. The price is, and will remain, no higher than current quotations for good short patent flours.

You will be interested in the actual reports of increasing bread sales in bakeries using King Arthur Special. Let us send them to you.

Flour Facts

THE TRUTH ABOUT BLEACHING

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Please send me, free, your booklet,
"Flour Pacts:-The Truth About Bleaching"

Effect of Additional Ingredients on Bread

By J. Percy Bryant

N OWADAYS we take pride in the progress made by the baking trade, and a part thereof has been the hetterment of bread in so far as necessary ingredients are concerned; that is, these have been brought up to a higher state of perfection. There is another side of the matter, however, which includes the addition of unnecessary ingredients, as shortening, sugar, and milk. I do not reckon mult extract, malt flour and similar cereal ingredients because, if of high quality and employed with discretion, they do improve bread without materially altering its composition and without making it rich and cakelike. Therefore, being made from similar cereals, as flour and yeast they can be counted as necessary ingredients, and so will say no more about them but will go on to deal with shortening, sugar, and milk, these being the usual additional and enriching ingredients.

The purpose of this article is not to

gredients.

The purpose of this article is not to seek to disprove that these ingredients promote the general qualities of bread, but to examine their effect upon the necessary ingredients and constituents, and their influence on bread.

SHORTENING

necessary ingredients and constituents, and their influence on bread.

SIGRTENING

This is used as fat, oil or emulsion from either the animal or the vegetable kingdom. In regard to the nutritive value, an authority states that there is little to choose between animal and vegetable shortening, although the medical profession seems to prefer the animal. However, whether animal or vegetable shortenings be employed, the first requirement is that these must be highly suitable, be used in accurate quantities, and be added in the right way.

With regard to suitability, most bakers give foremost consideration to moistness production and retention. This is an important matter, but other needs should also be considered, as flavor, texture-color of crumb, bloom and crispness of crust. Naturally, a flavory fat will yield a flavory crumb, while from good fat the texture should be finer, softer, silkier and smoother. Color of crumb ought to be cleaner and clearer, and therefore of brighter and better sheen. Bloom of crust also should he brighter and of richer appearance, the crust being mellower, shorter and more crisp.

The shortening, again, must be of such quality that volume is improved. If, however, the baker uses too much fat, volume will not be so good as where none was used, for the globules will cling so thickly along the gluten strands and on and around the starch granules and other solids that the yeast cells, enzymes and other operators will be clogged in their functions, while obstruction will occur to the free evolution and performance of the gas and alcohol. The motive, then, must be to employ that much shortening as so distributes itself among the other ingredients and their constituents that these become thinly filmed. This film of fat will act like a lubricant, and insure the general constituents being kept apart so that the workers of fermentation can carry on their task in freedom. This indicates that the effect on a dough holding the proper percentage of shortening will be that this ferments faster than that this ferments faster than one containing none. All things considered, this is an advantage, for in reuson, and according to the process, a dough cannot ferment too vigorously. Moreover, it is from the fact of these fat films being evenly distributed that the crumb becomes and is kept soft, silky and moist, and the crust thin, moist, short and crist. Here we come up against the query as to how the shortening should be added to secure the best henefits from even distribution of the films and generally. There are various ways such as (A) putting the fat into the dough miser with the other ingredients; (B) rubbing it into some of the flour, then blending and sifting the whole; (C) in melted form; and (D) as an emulsion.

and (D) as an emulsion.

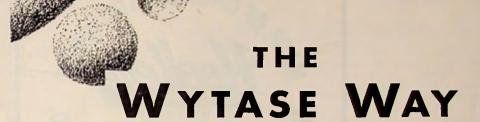
Method A is very crude, and is therefore not to be recommended, although some resort to this practice, notably when the fat is very tough, for if the mixer be 100 percent efficient it cannot correctly distribute the fat globules, with the issue of the dough being imperfectly made, with fermentation irregular from this irregular distribution and the fat this irregular distribution, and the fat

appearing in the bread in patches and

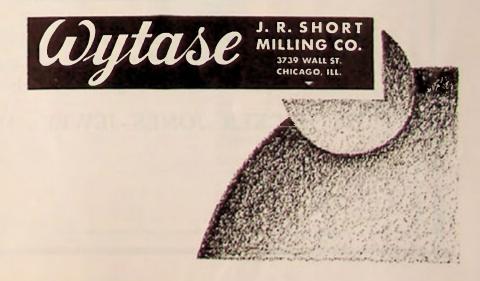
appearing in the oread in pateness and streaks.

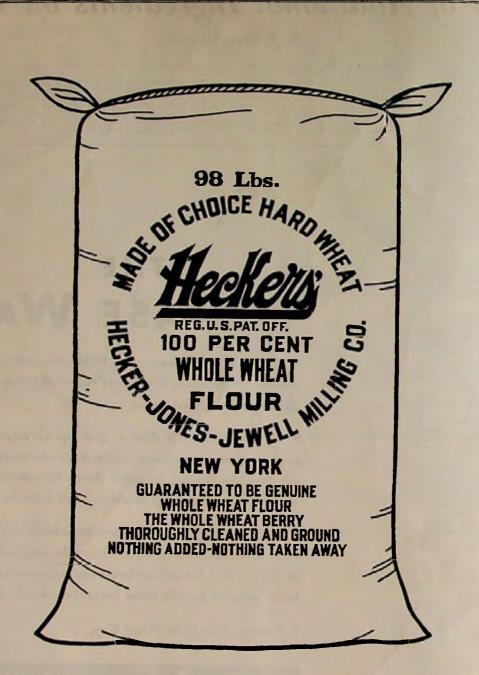
Method B, though very good, is rather laborious. The drawback here, however, is that the fat globules go into the mixer in the dry form, and that, though evenly distributed, they do not so well disperse into film form as when method C is employed. When working C, however, pro-

cedure must be correct. Say, for instance, that the flour only is in the mixer and the shortening poured in. The latter will absorb itself into the first particles it comes in contact with, therefore there is the same danger as where the unmelted fat is dumped in in the lump. A good plan is to let the mixer run a (Continued on page 831.)



- The Spring and Summer of 1931 gave indisputable evidence of the harmful effects of chemical bleachingon already weakened flours.
- But the industry is slow to give up an established practice of many years—so those bakers who continue to use the old-fashioned bleached flours flounder around with all manner of shop troubles - and holes in bread.
- Soon the practice of chemical bleaching will be unnecessary, as bakers everywhere learn the satisfactions of the Wytase Way for making better tasting, more uniform, better colored breads, from natural-unbleached flour.
- Nature's Way is the Better Way.





Selected wheat, finely ground to produce a product of full strength and flavor for the baker who desires to supply "honest-to-goodness" whole wheat bread.

HECKER - JONES - JEWELL MILLING CO.

NEW YORK CITY

BUFFALO, N. Y.

Effect of Additional Ingredients on Bread

short while with only the flour and shortening in it, so that the latter shall become thoroughly blended with the former. Or to add the melted fat with the bulk water, and lastly the yeast liquor, then to start the mixer immediately. This idea makes sure of the water and oil becoming blended and mixed with the mass before the latter is properly mixed. Now, as mixing proceeds, so the whole of the ingredients will become correctly amalgamated. Furthermore, this method does not give the oil time to envelop the yeast cells. Under no consideration should such envelopment occur, or these cells will be seriously hampered in their function by the clogging influence.

I prefer Method D, because an emulsion means that the fat, being emulsified with so much water, also the milk powder as used, will easily incorporate with the solids, especially if a generous percentage of water is used in the emulsion. In the latter case the emulsion is very thin, thus insuring that the fat globules will be easily and evenly dispersed, and the emulsion, mixing successfully with the bulk water into a united whole, will lecome evenly distributed as the dough gets mixed.

For best results the shortening should

gets mixed.

gets mixed.

For hest results the shortening should be warmed to the same temperature as that of the doughing water. This will mean good blending, and will not interfere with the accurate temperature of the finished dough.

In regard to quantity, a practical and expert baker recommends 8 lbs shortening to the 280-lb sack of flour. Personally I think this too much; in any case, this quantity ought not to be exceeded. Quantity, however, is really dependent upon the quality of the shortening, the character of the flour, and the dough process. Thus a lesser quantity of the best shortening will be more effective than a larger quantity of moderate quality or inferior fat. Again, if the flour is very strong more can be used than with weak flour. The gluten of the

Ingredients on Bread

rom page 829.)

strong flour will put up greater resistance than that of a weak one. Moreover, due to the dough from the strong flour being much tougher as a whole, the larger amount of fat will be helpful in shedding the toughness and producing a softening and mellowing influence. More fat can be used with a short system dough than with a long process, inasmuch as there is not the danger of the dough fermenting too fast and of the gluten and dough becoming unduly softence. Besides, as bread from short system doughs goes dry quicker than that from long-time doughs, and as fat acts as a moistening agent, the extra quantity will counteract the drying tendency.

At the outset of remarks under this heading I cannot do better than to quote John Kirkland: "Refined cane sugar is probably the purest chemical substance met with in commerce, the solid matter consisting, as it does, of 99 per cent sucrose. It contains practically no nitrogen and, consequently, is neither a true food nor a stimulant. It is, in fact, a gus producer pure and simple. Cane a disaccharide, and is not directly fermentable by yeast. It must first he changed into a monosaccharide, and this is accomplished by yeast through the agency of its enzyme, invertase. When working with cane sugar, not more than 2 lbs per sack (280 lbs flour) are necessary, this quantity being more than sufficient to yield all the gas required, and at the same time still leave a residue which will give the bread a sweet flavor and a rich bloom. It is, in fact, for the purpose of giving the bread this bloom that sugar is generally used."

Unquestionably, cane sugar is the best to use, but it should be noted, as above stated, that sugar is neither a true food nor a stimulant, but simply a gas pro-

stated, that sugar is neither a true food nor a stimulant, but simply a gas pro-

ducer. What purpose, then, does added sugar (Continued on page \$60.)

Yeast Raised Doughnuts

... more popular than ever when you vary the topping

WHENEVER a good formula has been backed by a little extra sales effort, raised doughnuts have earned a steady, profitable demand. Offer them to your own customers in interesting varietyplain, glazed, chocolate-coated and with other toppings. Making them not only attractive but dif-ferent is one of the secrets of successful selling.

We'll be glad to send you a formula for yeastraised doughnuts-one that has proved its sales value in many bakeries.

CORN PRODUCTS REFINING CO. NEW YORK CITY

For better grain, texture, volume

Any sweet dough run—doughnuts, for example—offers an excellent opportunity to check the improvements effected by Cerclose. Make a test of this kind, using Cerelose exactly as any other sugar would be used. Compare grain, texture, volume, with your regular product. The results of such tests are fast making Cerelose the standard sugar for all bread and sweet dough products.

CERELO

PURE WHITE SUGAR FROM CORN

The LINCOLN Automatic Dough-nut Machine cuts, fries and ejects 10 dozen doughnuts



The PRODUCER Automatic Doughnut Machine cuts, fries and ejects 160 dozen doughnuts an hour

The foundation of a profitable doughnut business

THE first requisite for a profitable doughnut business is a good, dependable doughnut machine. Thousands of bakers throughout the country bave met this important requirement by installing a D.M.C. automatic doughnut

Eleven years of constant study has perfected these "miniature doughnut factories." They are designed to meet every production requirement from 40 dozen to 100 dozen an hour—and in combinations which produce over 2,000 dozen. Investment in any D.M.C. machine is quickly repaid in the great savings in fat, labor and time, and in the consequent increase in plant efficiency and quality of product. and quality of product.

The service extended to the users of is as notable as the equipment itself. of an automatic doughnut machine marks the beginning of continued assistance toward the profitable operation of the machine and the improvement of the product it

The quality of the machines and the comprehensive service extended their users have helped over two thousand bakers realize new volume and greater profits. This year the importance of sound, profitable bakery methods is emphasized. And the coupon below might bring you the very facts you seek.

DOUGHNUT MACHINE CORPORATION

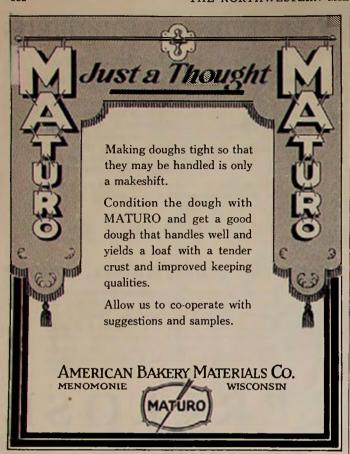
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The STANDARD Automatic Dough-nut Machine cuts, fries and ejects 80 dozen doughnuts an hour

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KOHMAN'S SALT-RISING YEAST



You profit more by having satisfied customers. Keep them pleased by supplying an easily digested, wholesome and uniform loaf.

Salt-rising bread is the answer to the demand for variety. Send for generous free sample and directions.

H. A. Kohman Mellon Institute Pittsburgh, Pa.

Please send me, without obligations, a free sample of your yeast, directions for using, and window cards for advertising salt-rising bread.

Name.....



An Attractive Special for Halloween

TCE the cake with a white cream stock icing. Take a piece of paper 12 inches square, fold it in half, then in quarters. Fold the lefthand edge on a bias to the center, and crease. Fold the righthand edge underneath, and crease so that all edges are uniform. Take a pair of scissors and cut off the top edge at a 45-degree angle, making a six-point star. Place in the center on top of the cake. Make a pin hole at the high and low points of the star all the way around. Take a plain paper tube filled with

Dunwoody Institute

Minneapolis, Minnesota Dunwoody offers instruction in Scientific Baking (4 months) and Sweet Goods (4 months).

Training is carried on in large bake shops, a smaller experimental bake shop, an experimental chemical laboratory, and class rooms on large and small batches.

Special study and shop work is given on variable control factors.

Rates: Non Minnesota residenta \$145 either course. Write for catalog and description of courses. brown royal icing; cut off the end so as to leave an opening about one sixteenth of an inch in diameter. Make a series of cats around the outline, alternating them as shown in the picture. The cats are made by holding the tube straight up and down, muking a dot for the head, drawing it down a little, keeping the pressure on the bag and drawing the tube upward and around to make the body.

Take another paper tube, filled with brown royal icing; cut off the end, leaving an opening about the size of a pin head, hold the tube straight up and down, and draw down with pressure, making the legs and feet on the cat.

The cat in the sitting position is made

and draw down with pressure, making the legs and feet on the cat.

The cat in the sitting position is made with a tube that has the same opening as the first one, making a dot for the head, drawing down a little, making a large dot for the body, letting up on the pressure, drawing down around and up to a point for the tail. Make the ears by placing a very small dot on top of each side of the head, drawing it to a point. Take a plain paper tube filled with white royal icing; cut off the end of the tube so as to leave an opening about the size of a pin head.

Outline the pumpkins in the open sections around the top edge of the cake. Take a plain paper tube filled with orange colored royal icing soft enough so that it will flow when the outline of the pumpkins is filled in.

Take a small paper tube filled with

Take a small paper tube filled with brown royal icing, and outline skulls and crossed bones, alternating them all the way around the side of the cake.

DU PONT Cellophane

PLAIN and PRINTED Also Cellophane Bags and Tubes for Cookies and Cakes

Brooks Paper Co. St. Louis, Mo.



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CAK	QUALITY BAND ASK FOR OUR S. BANDS, COOKIE SEAL ID LABELS, LABELS AND WRITE TO	AMPLES OF S. CAKE BOX LABELS, D BANDS OF ALL KINDS.	(6 5 x) 11 1
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Enjoy the benefits of Independent Engineering by having the

A. E. BAXTER ENGINEERING CO. BUFFALO NEW YORK

prepare your plans and specifications for Flour and Feed Mills, Elevators and Warehouses.
Thirty Years' Experience.

We are not Contractors or Machinery Salesmen!

MBULLETIN OF (NEW ADVERTISERS IN

The Northwestern Miller and American Baker, presenting to the trade herewith its new advertisers, commends them to the reader in the belief that they are worthy of confidence. Knowingly, The Northwestern Miller and American Baker will not advertise any save reliable and trustworthy concerns. The appearance of an advertisement in the columns of this journal, therefore, is an indication of the financial and moral responsibility of the advertiser. If evidence proving the contrary is submitted to The Northwestern Miller and American Baker, the advertiser will not be permitted to renew his contract, and the advertisement will be discontinued as soon as possible.

New advertising in this issue follows, a page reference being appended to the firm name:

FOR THOSE EXTRA FINE CAKES TRY

WHITE CHIEF CAKE FLOUR

EXTRA SOFT EXTRA WHITE EXTRA FINE

MILLED FROM
WHITE MICHIGAN SOFT WHEAT
BY

DAVID STOTT FLOUR MILLS DETROIT, MICH.

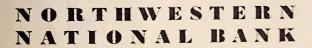
Also These Flours for Your Other Cake Requirements-

PEERLESS A Superior Soft Wheat Short Patent FANCY Patent Soft Wheat SNOWFLAKE Soft Wheat Pastry

Let Us Quote You on Straight or Assorted Cars

FOR YOUR BANKING NEEDS....

EVERY department is fully equipped to render complete, efficient banking service to the grain and flour industries of the Northwest.



MINNEAPOLIS, MINNESOTA

Affiliated with
Northwest Bancorporation



DESIGNED AND BUILT BY

THE BARNETT & RECORD CO.

PIONEERS IN DESIGN AND CONSTRUCTION OF

GIRE PROOF MILL BUILDINGS
and GRAIN ELEVATORS

OFFICES

FLOUR EXCHANGE, MINNEAPOLIS, MINNESOTA

LYCEUM BLDG., DULUTH, MINNESOTA

'A BAKER CANNOT RAISE THE STANDARD OF HIS LOAF ABOVE THE STANDARD OF THE FLOUR HE USES"

Town Crier

FLOUR

Every day adds to the list
Of bakers
Who found their
Quality bread on
The sure foundation of
Quality flour.
TOWN CRIER
Has rebuilt and
Revivified
Many a declining bread trade.
If your business
Needs PEP
TOWN CRIER
Will supply it.

Prices and profits take care of themselves.
What they all say: "It's the bost bread in town."

If there were dreams to sell, Merry and sad to tell, And the crier rung his bell, What would you by?

J. L. Beddoes - 1840

THE MIDLAND FLOUR MILLING CO



Wathmeatan Illina m Amarican Dakor

Volume 8

MINNEAPOLIS, MINN., U. S. A., SEPTEMBER 23, 1931

Number 9

The Modern Retail Bakery

By A. R. MacPherson

JHE function, purpose and importance of the retail baker in the business world today and his vital relation to the great systems of distribution is gaining more and more the serious consideration and study which the subject so justly deserves, particularly among the retail bakers themselves. They need to realize more clearly the fact that millions of people are dependent directly and indirectly for a most necessary part of their food supply upon his services and knowledge as a retail baker. And as the quality of his services, knowledge and products improves, just in proportion will the consuming public increase its demands for his goods.

The vital part which retailers of all kinds play in the great arteries of distribution was demonstrated in an experiment by the Russian government, which attempted for two years to keep all the retail stores closed and their windows barred. The results were disastrous in the extremes of suffering and starvation which followed until the government was forced to reopen the stores and to recognize their essential and inevitable place in the established systems of distribution whereby the great masses of people may readily obtain the neces-

Bakery Census Report of 1929

The retail bakeries comprise by far the largest number of establishments engaged in the baking industry, although the value of the products produced by them is greatly exceeded by the wholesale establishments. The Bureau of the Census Report for 1929 shows 2,375 wholesale bakeries as producing 46,5 per cent of all the bakery products manufactured, although they comprise only 14.7 per cent of the total number of bakery establishments. While complete data on the retail bakeries were not available, there were 11,068 concerns reported, which represents 54 per cent of all classes of bakery firms concerned in the report. These retailers, however, produced only 19.8 per cent in dollars and cents value of all bakery products manufactured, or an annual average per plant of \$22,500, against \$236,214 for the average wholesale plant.

Compared with the 1920 census report. there is a slight decrease of about 5 per cent in the number of retail bakeries, which indicates a most encouraging situation. Apparently, the huge growth of the chain and the large bakery mergers has but little affected the general retail situation as yet. The small retail bakery has its needful place in the scheme of distribution, but its progress and success in gaining a much larger share of the business available depends entirely upon the individual initiative of each retail baker.

The Function of the Retail Baker

What is the function of the retail baker? We can hest answer this by referring to the report issued by the Joint Commission of Agricultural Inquiry appointed by Congress to investigate and present a comprehensive survey of the systems of distribution.

"The retailer's true function is that of serving as a purchasing agent for his community; as such he selects and carries a reserve supply of merchandise to meet the requirements of the individual consumer.

When the retailer enters business he assumes the responsibility of performing a public function, that of providing commodities and services to his community economically and conveniently, and maintaining such environment as is necessary and desirable to the consumer who supports him. If he fails in his responsihility and performs only as a distributing agent, he ceases to be an economic factor in the community

which he serves."

While Herbert Hoover was Secretary of the Department of Commerce some very helpful subject matter was issued on the various functions of the retail merchant. "Evidence is beginning to ac cumulate to show that the answer to ome of our gravest problems of distribution lies in the performance of the retail merchant's function. Our studies have demonstrated that in many cases the profits in his field, which is the last and often the most crucial stage in our distribution process, are being lost through wasteful and unnecessary practices, such as the accumulation of dead stock (stale goods for the baker), the soliciting of unprofitable customers and the striving for volume of business with Our nation out regard to costs. is built upon the individualism of our people,-upon their initiative and their service to the community, and there is a recognized place in the community for the independent business man who conscientiously strives to meet this need."

THE SELLING AGE OF BAKING

MOST bakers know how to bake; how many know how to sell? We would hate to say, for it might not look pretty in print. But this is exactly what Mr. MacPherson had in mind when he began preparing his series of articles on "The Modern Retail Bakery," the first of which appears in this issue.

It is needless to assure readers of The Northwestern Miller AND AMERICAN BAKER that Mr. MacPherson "knows his onions." He is widely acquainted in the baking trade as a member of a Pacific Coast family that has been in the business for half a century, some forty of those years in Tacoma, Wash., where he is associated with his brother, Wallace, in one of the most outstanding baking enterprises in the country.

As A. R. MacPherson puts it, he has been in the business since he was first able to walk as a tot, some thirty years ago. To quote further from his autobiography: "At present we operate the Federal Bakeries, comprising six retail stores and a dozen house-tohouse routes. During the past forty years in this city we have seen scores of bakeries come and go, most of them bankrupt, and quite a number we bought, but we still manage to continue in business without a failure chalked against us. My father opened about the first retail bakery in Tacoma some forty years ago, and still continues with us in the business. My brother, Wallace, is the present head of the business. He has also served as president of the Washington State Bakers' Association for the past six or seven years, as well as being a governor for the western district, on the board of the American Bakers Association. While most of my time and energy are taken up by my bakery work. I have a hobby of writing for the magazines. You know what that urge to write is; when it gets you, and you think that you can write a little, you have to get out the old typewriter and work it out of your system."

Readers of THE NORTHWESTERN MILLER AND AMERICAN BAKER will consider it fortunate that Mr. MacPherson has that urge! His articles will appear monthly. The October installment is an optimistic picture of the retail baker's opportunities.

Baker Both Manufacturer and Retailer

Since the retail baker is both a manufacturer and a retailer, he performs a double service for his community, and as such he should possess a thorough knowledge both of the art of baking and of the science of retailing. It may be truthfully stated and agreed upon that the majority of retail bakers are well versed and experienced in the art of baking, but woefully deficient in the knowledge and practice of the science of retailing which is so essential to their complete success as retail lookers. The chapters following will be devoted entirely to a presentation of the science of retailing as applied to bakers, assuming, as stated, that the average baker is already trained and experienced in his particular art.

As shown in the census report of 1929, many bakery establishments com-

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bine the retail business with the wholesale, retail, and house-to-house, or a combination of the three classes. About 40 per cent of all bakeries make up this mixed class, which produces about 30 per cent of all products manufactured. While each different class has its individual problems peculiar to its character, the merchandising problems of the retailer remain practically the same, although his shop problems may become increasingly complicated and difficult if he is operating on other than a wholly retail store basis. No attempt will be made in this series to deal with the problems of the wholesaler or house-to-house baker, since another two or three volumes would be required to adequately handle the subjects involved.

Any good retail baker can turn out products that are desirable and salable, but to create and maintain a consumer demand for these same goods with profitable results to the baker requires a thorough knowledge and acquaintance with efficient, scientific methods of doing business. It is not enough that he be a good manufacturer. He must also be a modern, up-to-date merchant, well versed in the science of retailing.

Retail Baker's Difficult Position

The retail baker occupies a most unique and, at the same time, a most difficult position among all of the retail concerns that go to make up the average business community. In carrying on his industry he must successfully perform in one day, so to speak, all of the various processes which most other types of retail concerns carry out in days, weeks and even months before the particular transaction is completed and the consumer satisfied. The retail baker must purchase his raw materials, assemble his shop force and methods of production, manufacture his great variety of bakery products, advertise these goods, merchandisc and market them and get his customer's cash all in the course of a single day.

In actual operation all of these various activities may not be performed together on the same day, but they represent the average day's work of the average retail baker, and woe to the one who does not carry out successfully each day this course of routine. If he fails in any one or more of them for a period of time, he must sooner or later close his doors.

In no other type of retail business must the merchant carry on such a varied and concentrated daily activity in order to succeed. The grocer, the butcher, the candy maker, the jeweler, the druggist, the shoe dealer, the dry goods merchant, the hardware merchant and such retailers can one and all spread their various processes of retailing over days and weeks of operation, and still succeed.

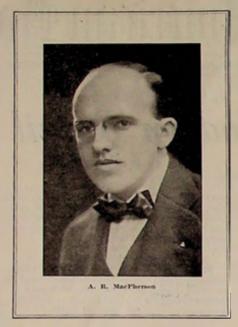
Retail Failures in the Majority

That there is a staggering percentage of failures among all types of retail concerns, statistics continue to prove, and the baker, with his more highly complicated processes of doing business, is more sensitive to husiness failures than many other types of retailers. Roger Babson, an eminent retail authority and statistician, maintains that only 7 per cent of all retailers are doing a profitable business; 26 per cent more are doing a fair business, but 67 per cent of these retailers are barely struggling along, a large proportion of them operating at a loss if their books were kept properly. He states, further, that "those who are not operating at a loss are merely getting day's wages, and small wages at best."

Here we have a most serious situation facing the American business man, and that means the retail baker. Statistics from every source uphold the assertion that over 90 per cent of all retail concerns eventually fail, the average life of a retail business being placed at seven years. The figures are startling, and reflect in no uncertain manner upon the acclaimed abilities of the average American to successfully conduct a retail business. As successful merchants the majority of Americans appear to be lacking in the qualifications, training and knowledge so essential to the profitable operation of a retail store. Ignorance, inefficiency, antiquated methods, unfair competition and gross carelessness are some of the evils responsible for this deplorable condition.

That the retail baker is no exception to the host of retail failures is proven in a statement from a congressional report of the Federal Trade Commission investigating the baking industry in 1927. "No figures

are presented showing the results for the over-thecounter retailer, though efforts were made to procure financial results from this type of baker. A careful survey in two cities proved that it was impossible to procure results from a representative group of these bakers, except at a prohibitive cost. In practically all the establishments visited the cost, investment, or profit data were defective in some one or more par-



ticulars, and frequently the cash register furnished the only records of the business. . . . Because of these conditions, therefore, it became necessary to discard the idea of presenting the financial results of the retail bakers."

Thus we see that the Federal Trade Commission experts did not even consider the average retail baker sufficiently awake and capable in his methods of doing business to warrant a practical and comprehensive report of his activities.

How long, it may be asked, is this discouraging situation to exist, and what is the ultimate solution? Some may object that the use of the word "science" as

"THE retail baker must 1 awaken to a realization that the science of retailing, or merchandising products to the consumer, is an exact science, the rules and regulations of which must be adhered to if the baker is to achieve success. . . . And even as hosts of old-fashioned, inefficient groceries were wiped out by that Juggernaut destroyer of the retailer, the chain store systems, so countless retail bakeries are threatened with the same fate unless they awaken to the vital necessity of learning and applying more efficient methods and practices of merchandising."

applied to retailing is not altogether appropriate. Yet the past record of retailing in the United States would indicate that retailing is either a science about which we have learned little as yet, or it is a temporary school in the great scheme of business education, ultimately to be abolished and superseded by a more practical and ideal system of distribution.

The retail baker must awaken to a realization that the science of retailing, or merchandising products to the consumer, is an exact science the rules and regu lations of which must be adhered to if the baker is to achieve success. A retail baker, for instance, cannot go into any community and acquire success through spending a few hundred dollars in setting up a second-hand shop, two or three second-hand cases in a cheap, bare store room, using dilapidated window fronts, turn out cheap quality bakery goods and expect the customers to come flocking into his store this is precisely what many retail bakers still insist upon doing, and they continue to fail in business, or to eke out a mere existence in the community which. if properly studied, rightly appealed to, and intelligently exploited, would eventually yield this same baker a comfortable fortune.

Success in a retail bakery consists of much more than simply turning out bakery products, good or bad, and sitting back on the bench waiting for customers to come in. The successful retail baker studies his location carefully beforehand, applying the same efficient methods of analysis as are used by his competitor, the great chain retail store systems. He investigates the type, characteristics and desires of the community he aims to serve, and note that word, serve. He chooses or builds his shop, store and window fronts, remodeling them if necessary to make the most attractive appeal in appearance to that all-important person who is to pay his bills and a fair profit,-the modern housewife. He borrows money, if necessary, to attain the proper setting for his business. Then he employs cheerful, pleasing clerks to meet and hold his customers, teaching them definite rules of conduct and salesmanship.

He establishes his selling policies,—the all-important altitudes and relationships which he shall maintain between his customers and his business. He works out the most effective advertising methods to reach his particular community, realizing first and last the inestimable value of intelligently directed advertising. whether he is a small baker doing only \$5,000 annually, or \$100,000. He studies his costs, his purchases. his materials, maintains a simple set of books that tell him quickly whether he is failing or going steadily ahead. And last, but not least, he is willing to take advantage of new methods and new developments in the baking industry, studies the trade magazines, and actively associates with the particular bakery activities of the trade, with eyes and ears ever alert to secure and adopt better methods and practices of merchandising his products.

Chains and Mergers Threaten Retailers

The day of huge combines and mergers in the baking industry has fully arrived, and the heads of these great concerns are spending millions of dollars and employing the most efficient and highly intelligent methods of merchandlsing to reach their employer,—that same humble housewife that the retail baker exters to. And even as hosts of old-fashioned, inefficient groceries were wiped out by that Juggernaut destroyer of the retailer, the chain store systems, so countless retail bakeries are threatened with the same fate unless they awaken to the vital necessity of learning and applying more efficient methods and practices of merchandising.

The independent retail baker has his rightful place in the channels of distribution, but it seems that he must be lashed by the overwhelming pressure of the superior forces of intelligence and aggressive business methods as used by these ever-growing chain combines before he will awaken from his fatal contentment of being just another baker, instead of a modern, aggressive business getter. The modern grocer has passed through just such an experience, and has awakened to realize that the place of the independent retailer is still here, and those that have survived the bitter experience are rising nobly to fill that place. The retail baker must read the handwriting on the wall "and go and do likewise."

EDITORIAL

INVITATIONS TO GOSSIP

THE Millers' National Federation, in a bulletin recently addressed to members, preached an admirable sermon on the disaster which inevitably overtakes those who habitually sell their products at an insufficient margin of profit and cited, as object lessons, four milling concerns, one of which, it stated, "closed a few weeks ago, another went into receivership and the plant is now shut, the third is being frantically offered for sale at any price, and the fourth is in process of going into receiver's hands."

Chairman Stone, of the Federal Farm Board, at about the same time the federation circular was issued, replying to the charge of Governor Murray, of Oklahoma, that farm board wheat had been improperly "loaned" to millers, stated that but one miller had abused the trust placed in him, that he was caught in the act and had been made to pay the pre-harvest price for approximately one hundred thousand bushels of the board's wheat ground by him without authority or the formality of prior purchase. Chairman Stone did not identify the offending miller.

Since issuance of the federation bulletin and publication of Chairman Stone's statement, the names of several solvent and perfectly respectable milling institutions have been connected by gossip with the charges made. How many other mills have been gossiped about outside the hearing of THE NORTHWESTERN MILL. ER AND AMERICAN BAKER, it is, of course, impossible to say. Certainly the names of many milling companies, whose greatest offense is to be suffering their full share of the general misfortunes of business and industry, have been mistakenly identified as one of these five mills anonymously accused of being "broke" or of having violated the trust placed in them by an agency of the United States government.

It is not our purpose here to scold the federation for its well meant dissertation, and we are, of course, much too modest, not to say patriotic, to undertake to question the ethics of the puissant Federal Farm Board and its troubled chairman. We cannot, however, forego expressing the view that, in times such as these, statements about our neighbors should be made strictly in terms of yea and nay, with as little as possible left to the imagination and thoughtless or vicious tongues of gossipers. Many honest and courageous men just now are fighting bravely to save the fruits of long years of toil for themselves and their associates, employees and dependents. These men are entitled to the fullest possible protection against possibilities of tale bearing innuendo. None of us can render a more useful service to ourselves, our industry, our community and, in a large way, to our country than to exercise the last possible precaution against gossip. The thoughtlessly spoken word can travel far and injure many.

A BUSINESS CONSTITUTION

GERALD SWOPE, president of the General Electric Co., is author of a plan broadly described as a "business constitution," presented by him at the annual meeting of the National Electrical Manufacturers' Association, under the operation of which, he believes, many, if not all, the evils of the business cycle and recurring unemployment would be eradicated and the whole body of industry be made sounder, more wholesome and a contributor to the national wellbeing.

In its essence, Mr. Swope's plan proposes the selfgovernment of industry under supervision of law. He would create within each industrial group associational control of production, but with the largest possible measure of freedom for individual initiative, all procedure in observance of standards of ethics, in collection of statistical data, in accounting and in orderly distribution to be supervised in the interest of the public by suitable agencies of government. As a part



Comment on subjects of current interest appearing on this page should be accepted as made on the sole responsibility of the publishers and. under no circumstances, should it be interpreted as purporting to reflect the views of flour millers. bakers, members of the grain trade or any organization, group or individual within these industries.-Editor The Northwestern Miller and AMERICAN BAKER,

of this associational control, he would create means for regularizing employment by more orderly produc-tion against effective demand. He would create protection of employees through periods of enforced unemployment by reserves built up by both employer and employee. He would provide certain forms of insurance and pensions, all at the cost of industry and without government participation. He would, in a word, substitute the orderly processes of industrial management in the interest of all for the present efforts of industry to protect itself against the futile efforts of politics to regulate, or, as it sometimes appears, destroy it.

Mr. Swope points out that just now three courses are open. The first of these is the do-nothing course, accepting the advantages and disadvantages of the present system and letting intensified individualism continue its fight against its own evils with the unavoidable peaks and valleys of production and consequent employment. The second course is for industry to accept the full responsibility, both for more orderly production and for variations in employment. The third, and the one just now nearing ascendancy in popular esteem, is for the government to take over the whole job, including protection of the unemployed, and operate it at cost of the taxpayers. "This," says Mr. Swope, "carries only a political and not an economic check to such expenditures,"

As things now stand, Mr. Swope's plan must be accepted as a dream of what might be but which, under our present government and in our present state of mind, is unlikely soon to be realized. Polities and economics, the authority of governments and the machinery of production and distribution, are just now in what appears to be a more or less permanent state of warfare everywhere in the world and very particularly in this country. The tendency to correct economic evils by new laws, backed always by unlimited power to tax, is stronger than at any time in the modern history of the nation. The farm board, water ways, power developments, bonuses, public works, all are instances of blundering attempts to attain economic Elysium through taxation and redistribution of the wealth thus seized.

The cost of government, largely represented by expenditures other than those required for protection of life, property and the freedom of the individual, now amounts to more than thirteen billion dollars per



year, a sum greater than the value of all of the crops produced in this, the greatest agricultural nation in This next Congress threatens greatly to increase this sum and to add to the burdens and difficulties of orderly individual effort by setting up other superactivities of government designed to displace the private initiative by which the wealth of the nation was created and the payment of multiplied taxes made

A "business constitution" such as that proposed by Mr. Swope could be so constructed that it would run true to the Constitution of the United States, differing in no important respect from the vision of the founders of the government. But such an instrument and such a plan could not be created out of the substance of present popular conception of the province and duty of government. Today, we are demanding that government not only right every wrong but that it fill every empty pocket, even if in the end it awakens to find its own emptiest of all.

THE POLITICAL MERRYMAKING BEGINS

OVERNOR William H, (Cockleburr Bill) Murray, of Oklahoma, is entitled neither to credit nor censure for his endeavor to create a scandal out of the Federal Farm Board's arrangements to store a part of its stabilization wheat stocks with millers. It has all along been certain that sooner or later somebody would try to tar the milling industry and the grain trade with a profiteering charge as a result of use of their facilities to house the government's surplus grain. Milling, as a result of the largely futile "borrowing" for export plan, was in the more exposed position, and Governor Murray merely had the political comen to heat the Senate investigating committee to the charge.

Fortunately, Chairman Stone was in better position to make a straightforward reply than he will be when other acts of the board and its subsidiaries are, in due course, used for political capital. He would, it is true, have been fully justified in making public the identity of the single miller, out of scores who rented their storage space to the board, who proved false to his trust. That he did not do so is to his credit as a generous and charitable act, even though the omission fords opportunity for the tongues of gossips to blackguard millers who respected both the spirit and the letter of their contracts.

Since the beginning of the operations of the quasigovernment grain trading monopoly, this publication has warned the trades that anything save the most open and aboveboard dealing with it contained the possibilities of appearance of scandal when partisan polities came to take a hand in the game. percentage of members of Congress, including those who were most ardent in the cause of farm relief, are eagerly awaiting the time when they can make a political holiday out of the board's misfortunes and alibi their own blunders of legislation by charges of mismanagement by the board's set-ups and advantages taken of them by the independent trades.

Governor Murray, hot-blooded from his military victories over the Red River toll bridges and the well valves of the Oklahoma oil pools, merely heat the rest of the political bell-raisers to the oratorical battleground. Today, despite the fact that his petard failed to hoist anything of moment, including the imperturbability of Chairman Stone, he doubtless is the envy of a generous half the politicians in the country. do not like the Agricultural Marketing Act and we believe the board appointed to administer it has, with a maximum of good intentions and a minimum of ability, managed to get markets and prices into the worst possible mess; but we do feel a stirring of sympathy for it is the time approaches when it will be most cruelly and inhumanly misused to supply laughter and beers for political merrymakings.

Flour Demand Is Irregular

NCERTAIN economic conditions affecting all stock and grain markets brought irregular changes in flour demand last week. Hard winter wheat mills sold less than in the preceding period, but spring wheat flour was in better demand. Mills in the Northwest sold about 120 per cent of their capacity, compared with 105 per cent in the preceding week and 100 per cent in the corresponding week a year ago. This was the third best week so far this season for the spring wheat companies. Much of the volume resulted from acceptance of resting orders when the wheat market broke sharply from previous high levels. Sales were evenly distributed between bakery and family trade. No particularly large lots were involved, and the business was mostly confined to near-by shipment. In the Southwest, millers found the market action adverse to bookings, and, while some companies maintained business in unchanged or better volume than a week ago, the average dropped, and was substantially below capacity. Unfilled orders are considerably larger in the Southwest than in the Northwest, however, as sales from the former territory have been consistently greater since July 1. St. Louis mills experienced much the same situation as those in the Southwest, while on the Pacific Coast millers found demand moderately active locally, but extremely quiet elsewhere. Soft wheat mills made moderate sales, and increased demand was reported generally from leading southeastern markets.

Export.-Latin American markets in some instances took increased quantities, mostly from the Southwest or Buffalo, but the export situation generally remains dull. A few small lots were worked to Europe early last week, and after the financial crisis in England brought a marked decline in sterling, inquiry increased from the United Kingdom. Not all of these offers were accepted, but advices from England indicate that many of them were.

Clears.-The South and East still are demanding clears, and prices for those grades continue strong. With production light, most mills have little or no clear flour to offer for near-by shipment, except in very small lots.

Prices.-Hard winter wheat flour is about 10c bbl higher than a week ago, while spring wheat quotations are 15c lower. This irregular trend was caused by advancing premiums for high protein wheat in the Southwest, while premiums narrowed somewhat in the northwestern markets. Despite the readjustment, spring wheat flour still is priced considerably higher than hard winter. Soft wheat flour is about 10c bbl lower than a week ago.

Production.-Milling operations show a substantial gain, partly as a result of the Labor Day holiday having reduced the output a week ago, but due also in a measure to more active shipping directions. Production of United States mills reporting to THE NORTHWESTERN MILLER for the week ending Sept. 19 totaled 1,532,-700 bbls, compared with 1,319,518 in the preceding week, 1,799,105 in the corresponding week of last year and 1,779,850 two years ago. Every milling section shared in the increase, the central and southern group gaining 67,000 bbls, the Northwest 65,000, the Southwest 63,000, the Pacific Coast 10,000, Buffalo 5,000 and Chicago 3,000.

European Markets by Cable

London, Eng., Sept. 22.—(Special Cable)—Suspension of the gold standard caused considerable excitement in London and other United Kingdom markets yesterday, resulting in some active buying, despite the unsettled conditions. Practically all offers were accepted. Due to rapid fluctuations, the quotations cannot be translated into United States currency. Today's quotations: Canadian top patents 21s 6d @22s per 280 lbs, Canadian export patents 19s 6d@19s 9d, Buffalo patents 12s 9d, home milled straight run 18s 6d, French flour 14@15s.

Hamburg.—There is no trade in flour. A limited demand exists in Czechoslovakia for spot lots. Today's quotations: Canadian top patents \$3.60 per 100 kilos (\$3.35 bbl), Canadian export patents \$3.65 (\$3.21 bbl), Kansas patents \$3.90 (\$3.43 bbl).

(8335 bbl), Canadian export parted flour is disappointing, being on hand-to-mouth basis only. Today's quotations: Canadian top patents \$46.1.5 per 100 kilos (\$3.53 63.66 bbl), Canadian export patents \$3.506.3.90 (\$3.086.3.44 bbl), Kansas and Oklahoma patents \$3.606.4 (\$3.176.3.53 bbl).

Wheat.—Markets are completely disorganized, on account of the abandonment of the gold standard, but the government action is generally regarded as helpful to account of the submitted of the completely disorganized.

to commerce ultimately.

Millfeed.—The market is less active, with a downward price tendency apparent.

Bran is quoted at £1 5s ton.

Millfeed Production Increases

VITH the Labor Day holiday out of the way, and shipping directions for flour more active, nilling operations have increased sharply in the Northwest and Southwest, and moderately in Buffalo. As a result, millfeed production in these three territories gained about 5,000 tons from a week ago, although it still is more than 10,000 tons less than in the corresponding week of last year, and about 9,000 tons under the five-year average for corresponding weeks. Since July 1, the Northwest has produced about 13,000 tons less millfeed than in the corresponding period of last year. Buffalo has produced 11,000 tons less and the Southwest about 7,000 less.

The following table shows the computed production of millfoeds for the current and or two weeks, together with season totals of (1) all mills of Nobranka, Icansas and Oklahoma and the cities of Kansas City and St. Joseph; (2) all mills of Minnesott, North and South Dakota and Montana, including Minneapolis, St. Paul and Duluth-Superior, (1) mills of Buffalo, N. Y.

WEEKLY PRO	DUCTION (IN TONS)		
Southwest Sept. 13-13	Northwest 15,841 13,341 21,076 22,951 25,598 21,630	Buffalo 7,410 7,226 7,119 9,532 8,660 8,237 9,269 8,622	Combined 46,649 41,364 44,811 57,006 55,082 57,094 60,718 55,286
PRODUCTION	JULY 1 TO DATE		
131	190,247 233,468 233,304 236,125 228,025 224,354	95,919 106,931 89,102 86,120 94,237 94,468	\$99,392 646,17A 634,032 618,404 679,888 635,57\$

Note: The foregoing figures of total milifeed production are computed from operation property made to The Northwestern Milier by more than three fourths of the flour milling capacity of the territories included

UNITED KINGDOM FLOUR BUYING

WHILE reports from United States mills indicated that there were few export sales made to the United Kingdom as a result of the abandonment of the gold standard and the sharp drop in sterling exchange, the London office of THE NORTHWESTERN MILLER cables that active buying of flour occurred after the suspension, practically all offers made by importers being accepted. Some flour has been shipped recently to the United Kingdom on consignment, and may have been included in the sales.

Flour Production and Percentage of Mill Activity

The first column of the table below shows actual flour production in barrels of mills i principal centers, together with production of a group of ropresentative mills in each scient, for the week indicated. In the second column actual production is interpreted i form of percentage of maximum production, based on full operating schedulo of 24 outs daily six days per week: Sent. 20 Sent 21 NORTHWEST

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Totals 109,829 314,417 580,807 536,806			
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Kamas City	10(814105,825 314,411 380,807 830,800	Average 40	GG 58
Kaneas City	SOUTHWEST-	SOUTHWEST	
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Cmaha		St. Joseph 198 66	TS
Outside millst. 183,035 180,363 229,440 223,682 Outside millst. 67 65		Omaha 85 76	
Totals	Outside millst. 183,035 180,363 229,440 223,682	Outside millet 57 55	
Totals 518,710 456,173 538,611 555,176			
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Chleago 35,582 32,285 33,554 43,164 Chleago			
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	'Minnesota, Dakota, Iowa and Montana	mills outside of Minneapolis	and Duluth.

Superior. †Southwestern mills outside of centers named. †Mills outside of St. Louis but controlled in that city. [Mills of Indiana, Michigan and Ohio, including Toledo.

SUMMARY OF FLOUR QUOTATIONS

NORTHWEST-

Flour quotations rejorted to The Northwestern Miller as of Tuesday, Sept. 22. (Pacific Coast prices as of previous day.) Unless otherwise noted, flour per bbl of 196 Hea.

packed in so in cottons of 110-in jutes. All	deorations on pasts of Call	uad lots, prompt delivery.					
Chicago	Minneapolis Kansas City	St. Louis Buffalo	New York Baltimore	Philadelphia	Boston	Columbus	†Nashville
Spring first patent \$1.10% 4.60	\$4.35% 1.80	\$4.000 4.30 \$4.650 4.85	\$1,504 4.85 \$1,356 4.65	\$4.50@ 1.90	\$1.50% 5.25	\$1.30% 4.60	\$1.50 . 5.00
Spring standard patent 3.85% 4.25	1.16% 4.40	3.75 4 4.00 4.25 4 4.45	4.15% 4.50 4.00% 4.25		4.50% 4.90	4 1544 4 35	
Spring first clear 3.506 3.75	3.35% 3.70	3.15@ 3.25 3.80@ 3.90	3.85@ 4.25 @	3.85@ 4.25	21110		
Hard winter short patent 3.20% 3.80	3.45@ 4.15	3.30 (1 3.70 61	4.60% 5.25 3.45% 3.70	3.60% 3.95	3.75 % 4.00	3, 10 % 3.70	3.50% 1.00
Hard winter 95 per cent patent 2.90@ 3.30	3.00 9 3.40		4.25% 4.70 3.15% 3.35		3.500 3.75	3.104 3.30	1.00
Hard winter first clear 2.30% 2.70	9 2.35@ 2.65	0 407 0					3111-5
	2.300 2.00	2.70% 2.80		0		may guit	******
Soft winter short patent 2.1551 3.66		3.25@ 3.75@	3.25% 3.50	1111 F 1111	3.50% 3.75	3.156 3.40	1.30 % 1.80
Soft winter straight 2.654 3.00	61	2.754 3.05 2.854 3.35	2,75% 3.45 *2.45% 2.65		3, 25 % 3, 10	2.65% 2.90	+1211
Soft winter first clear 2.50% 2.75				0	3.20 9 3.30	Carry Wester	2.10 3.00
Rye flour, white 2.10% 3.30							
	3 15 4 3.25 6	61 3.70 3.5041 3.80	3.4564 3.85 64 3.75		3.70% 3.80	ALLE WATER	strate also
Rye flour, dark 2.350 2.70	2.604 2.75	41 3.20 3.1041 3.30	4 3.00	3.00% 3.25	3.30% 3.40	CARACHT CARE	1 2 2 2 1 58
Scattle (49's) San Francisco	Standard patent - Scattle	San Francisco	Toronto **	Winnipeg		Toronto	**Winnipeg
Fumily patent \$4.36% 4.80 \$ 6	Kansas \$ @		g top patent[\$4.75% 4.85 \$		ring exportst	178 9d 9 138	or think
Straight 2.25% 3.00 @	Dakota 5.004 5.		g top patentt		starto 90% nos	entst \$2.50	
Cut-off	Montana 1006 c		g recond patent; 3.60% 3.80		marks so r par		3.65

1.00% 5.00 4.85% 5.00 Spring first clear? ... 2.60% 2.80 % 3.05 Ontario exports) *Includes near-by straights, fNashville prices basis f.o.b. Ohio River points for soft winter wheat flour, **In jutes, Port William basis, 198-lb jutes, 18econd-hand jutes, \$110-lb jutes,

RAINS IMPROVE SOIL CONDITIONS IN KANSAS

Sowing Will Be Hastened as Conditions Turn More Favorable—Law Prices Big Deterrent

KANNAS CITY, Mo.—Substantial rains over a large section of Kansas in the past two days have greatly improved soil conditions, and sowing will be hastened and accomplished under much more favorable conditions than have prevailed for sev-

accomplished under much more favorable conditions than have prevailed for several weeks.

While estimates of the probable reduction in this year's wheat acreage in the Southwest are as yet little more than guesses, it appears reasonably sure that the low price will result in a material shrinkage in seeding. Present general apinion is that Kansas will sow 18 to 20 per cent fewer acres than a year ago. Of even greater importance than the shrinkage in acreage is the very poor soil condition. Until this week rainfall had been exceedingly light over the entire western and central parts of the big wheat country for several weeks. Plowing had been accomplished under almost unprecedentedly poor conditions, and what seeding had been done has been in the dust. Some of this wheat is up, but the heat and drouth are giving it tough treatment, and some early sown probably will be lost. Some sections report an almost normal plowing done, but in other sections work is far behind schedule. It is believed that many farmers, discouraged and indifferent because of the low price of wheat, will merely disc seed into the stubble, paying out as fittle labor as possible against the chance of another crop to be sold at ruinous prices.

If by some chance the price of wheat

prices.

If by some chance the price of wheat should advance 10c bu or so by the middle of October, there undoubtedly would be a big spurt in seeding. Things being as they are, farmers must have some source of income, and little else can be successfully and profitably grown on a large part of the area of western Kansas, Nebraska and Oklahoma.

GEORGE V. DAYTON HEADS **BUCKWHEAT ASSOCIATION**

BUFFALO, N. Y.—Estimates made at a meeting of the Buckwheat Millers' and Shippers' Association in Elmira, N. Y., Sept. 18, placed acreage at 93.5 per cent and yield at 91.5 per cent of normal. These figures indicate a crop considerable light than the property of the state of the second se

ably larger than last year.

The price paid growers for cleaned buckwheat, delivered to mill or elevator, will average 80% e per 100 lbs, and range 70c@\$1, according to a canvass of the

70c(a \$1, according to a canvass of the membership.

The meeting was the largest ever held by the association. George V. Dayton, of Towanda, Pa., was elected president, and P. G. Schumacher, of Cohocton, N. Y., secretary. R. L. Gillette, agricultural statistician with the New York department of the control of the contro

partment of farms and markets, and F. L. Lewi, of Theodore P. Huffman, New York City, delivered addresses

MONTANA WHEAT CROP IS **SMALLEST IN 12 YEARS**

Great Falls, Mont.—Three successive crop seasons of subnormal precipitation in Montana culminated this year in the lowest wheat production since 1919. September estimates of the state-federal crop reporting service placing the harvest at 18,175,000 bus. Likewise, the average yield per acre was the lowest since 1919, that being a year of extreme drouth. drouth.

drouth.

The slump in production in Montana wheat from the large harvests of preceding years started with the dry season of 1929, when the total yield was but little more than half that of the bumper crop of the preceding year. A further drop was in 1930, due to shortage of moisture, and the 1931 crop, influenced by three seasons of moisture shortages, will amount to less than one half of 1930.

Montana's 1931 crop of wheat, 4,628,000

Montana's 1931 crop of wheat, 4,628,000 bus, averaged 7.5 bus an acre, and spring

FROST DAMAGES WHEAT IN ARGENTINA

(By Special Cable to THE NORTHWESTERN MILLER) BUENOS AIRES, ARGENTINA, Sept. 22.

DEPEATED frosts have done some damage to wheat in the Pampa, southern Cordoba and the province of Buenos Aires. Moisture is sufficient for the present, except in the north, where rains are needed. The cereal export business is temporarily dislocated because of exchange difficulties.

wheat produced 11,547,000 hus at an average of 4.5 hus, a total of 16,175,000 hus for all wheat, averaging 5.1 hus an

Montana's wheat production and average acre yields for 13 years follow:

	Average nere	Produc
	yield, bus	tion, bu
1919	2.7	9.889.00
1920		25,690.00
1921		33,130.00
1922	11.5	53.714.00
1923	14.6	47,708,00
1924	16.1	51,722,00
1925		35,021.00
1926	12.5	11,711,00
1927	20.3	90,208,00
1928	18.2	77.998.00
1929		40.688.00
1930		35,411.09
1931	5.1	16,175,60

DEATH OF JOHN J. PAAR

Well-known Baker and Allied Tradesman Dend After Illness of Two Months-Buried in St. Paul

John J. Paar, for the past 10 years associated with the bakery service department of the Red Star Yeast & Products Co., Milwankee, died at St. Joseph's Hospital, Chicago, on Sept. 16, following an illness of two months. He was 53 years old.

years old.

Mr. Paar was born at Stevens Point,
Wis., and educated there and in Minneapolis, where he graduated from Dunwoody Institute with a degree in baking
chemistry. He served an apprenticeship
in baking under his father, later engaging in wholesale and retail baking
enterprises in the Twin Cities and lownFor 10 years he owned and operated
four shops in St. Paul. He spent five
years as chief baker for the Northern
Pacific dining car service.

Pearing offining car service.

With the Red Star Yeast & Products
Co., Mr. Paur formed the acquaintance
of hundreds of bakers in all parts of
the United States. He engaged actively in association work, appearing on convention programs, at demonstrations and exhibits of the industry. He was in charge of the bread, rolls and variety of breads demonstration at the exhibition

in connection with the 1930 convention of the American Bakers Association in Atlantic City. He also had charge of the session in Chicago last March at which the American Society of Bakery Engineers discussed rye and pumpernickel breads.

Since its inception, Mr. Paar was given charge of the production of dairy bakery products at the model dairy hakery established eight years ago by the Wisconsin Association of Master Bakers and the dairy and agricultural departments of Wisconsin.

Funeral services were held on Sept. 19 at St. Paul. Surviving the deceased are his widow, one daughter, three sons, three brothers and two sisters.

COMMANDER-LARABEE WILL START HUTCHINSON MILL.

START HUTCHINSON MILL KANSAS CITY, Mo.—M. C. Belan, head utiller of the Commander-Larabee Corporation, is spending several days at Hutchinson, Kansas, supervising the reopening of the 2,000-bbl Larabee mill. The Hutchinson plant has been shut down for a considerable time, but its production now is needed to supplement the production of the Larabee company's other southwestern mills. Its mill at St. Joseph, Mo., with a capacity of 6,000 bbls, was started up this spring and now is on full production schedule.

I. V. SANDFORD PRESIDENT OF REA-PATTERSON FIRM

OF REA-PATTERSON FIRM

KANSAS CITY, Mo.—I. V. Sandford, formerly connected with the Hall-Baker
Grain Co., Kansas City, has been elected president of the Rea-Patterson Milling Co., Coffeyville, Kansas, succeeding
John C. Evans. Mr. Evans continues
with the company in an executive capacity. H. F. Hall, prior to its sale to the
Farmers' National Grain Corporation
president and principal owner of the
Hall-Baker Grain Co., is an important
stockholder in the Rea-Patterson comnany.

Food Stocks Slump

AFTER a week of steady liquidation, the stock market was hit by the British gold standard suspension, and the general level of prices sagged to the lowest point since 1921. Seventeen food stocks made new lows, and practically without exception, food issues closed the week with net losses. Corn Products, Quaker Oats, Continental Baking A, National Biseuit, Purity Bakeries and General Foods were among the weakest. Considerable resistance was shown in Pillsbury flour, Safeway Stores, Langendorf Baking B, and Loose Wiles preferred.

The highest and lowest prices for food stocks listed on the New York Stock Exchangestered in 1931 and the close on Sept. 22, 15 and 2, are here shown (quotations becomes of Chas. E. Lewis & Co., Minneapolis):

courtes)	or Chas.	E. Lewis &	Co., Minneapona).			
19	131	Dividend in				
High	Low	dollars	94	pt. 22	Sept. 15	Sept. 2
6	4.14	.60	*Allfed Mills, Inc	416	4.76	476.09.470
4842	36 5	*2.00	American Stores Co	37%	12%	1,1-9.0
30	5 1/2		Continental Baking A	4.14	919	10
3.5	1		do H	1	156	2217
774	115	8.00	do pfd	43.54	19	43.
44%	11%	*3.50	'Corn Products	17.7%	25%	52%
21.50	164	2.00	General Baking	18	29	2874
56	395	3.00	General Foods	11	4534	42%
50	3.5	•3.50	General Mills, Inc	34	28	39
103	96	6.00	do přd	24	33	93
20	10	2. (H)	[Globe Grain & Milling Co.	19	12	37.7
42%	15 %	2.50	Gold Dust Corporation	20 1/2	22%	24%
35%	1.8.	*1.00	Kroger Grovery & Baking	22%	27	25%
16	13	2.90	Langendorf U. Bak. In- A.	1.5 to .	12%	15
S	- 4		do B	1	19.00	- 2
547,	40%	*1.60	Loose-Wiles	43.5%	411.76	37%
12632	115	7.40	do pfd	120	12012	
3	37%	2.80	National Biscutt Co.	29	41176	53.76
24%	11	2.00	National Tea Co	11	12%	14
11		*3.00	Park & Tilford		A	
37	2234	2.00	Pillsbury Flour Mills	2474	24%	19
7114	42.%	2.40	Proster & Gamble	0.0	34	51
35%	1452	1,90	Purity Bakeries	1.5	19%	19%
170	110%	4.00	* Quaker Cats	114%	124	139
6912	26%	5.69	Safeway States		53%	41.
29.%	11%	1.50	Standard Brand- Ite	151m	1750	17%
40%	28.76	1.76	United Biscuit or Atternation	29	3.3	2.8
27%	6%		Ward Baking A		14%	14%
3%	256	42152	do B	2	3	2%
27%	24	7,00	do pfd	26	68	44.

*Include extra cash dividend ISan Francisco Stock Exchange. curb rChicago Board of Trade. HiChicago Book Exchange | And extras. IL sted on both New York Stock Exchange and Chicago Beard of Trade.

CUBAN FLOUR IMPORTS SMALLEST ON RECORD

August Acrivals Total Less Than in Any Other Month for at Least Seven Years

Imports of flour into Cuba during August were the smallest in many years, according to information compiled by Agencias Unidas, Havana. The total arrivals for the month were only 64,511 lags of 200 lbs each, compared with 70,033 in the preceding month and 77,781 in the corresponding month of last year. Previously, the smallest total for any month for which records are available was 68,270 bags, established in May of this year. In every other month for the past seven years, at least, imports of flour into the republic have amounted to 70,000 bags or more, ranging from that figure up to 131,854 bags.

Since January, 1931, Cuba has received

Since January, 1931, Cuba has received 626,616 hags of flour. This is far behind the records of former years. In the first seven months of 1930 the imports were 744,284 hags; in 1929, 852,623; in 1928, 789,388; in 1927, 743,410; in 1926, 766,232.

789,388; in 1927, 744,410; in 1926, 766,232.

Most of the August, 1931, arrivals originated with United States mills having plants in the Southwest, the Northwest and Buffalo. Of the total, 47,434 bags came from companies with headquarters in the Northwest, but most of whom have mills in the other important milling sections. Strictly hard winter wheat mills furnished 9,275 bags, soft wheat mills 1875 and Canadian mills 225. The source of the remainder could not be identified.

Of the 38 00th bags arriving in Hayana.

Of the 38,004 bags arriving in Hayana, 20,950 were shipped through New Orle-ans, 12,934 through New York, 4,100 through Key West and 10 each through Norfolk and Baltimore.

Norfolk and Baltimore.

Aside from Havana, the largest receipts were 7,260 bags in Santiago de Cuba, 3,218 in Nuevitas, 3,150 in Cienfuegos, 2,525 in Caibarien, 1,980 in Sagua la Grande, 1,480 in Matanas, 1,200 in Manzanillo, 1,170 in Guantanano, 1,100 in Gibara and 1,985 in Cardenas.

in Gibara and 1,085 in Cardenas.

In Havana, Tons Solis Co. took 7,000 hags of this month's arrivals; Pinan & Co., 5,300; Galban Lobo Co., 4300; Gonzalez & Suarez, 3,730; V. Equerro, 2,890; Isla Gutierroz Co., 2,720; Barraque Macia Co., 2,500; Marc Gonzalez & Co., 1,800; Echavarri & Co., 1,710; S. F. Guerra & Co., 1,310; Aguilera Marganon & Co., 1,000.

WET WEATHER HAMPERING WHEAT HARVEST IN CANADA

WINNERG, MAN. Weather in western Wissipio, Mass. Weather in western unfavorable for harvest operations in practically all districts. Rains fell in most sections, with the greater part reported in the northern districts of Alberta and Saskatchewan, where considerable threshing remains to be done and where some late feeding grains are still to be cut. Light frosts have occurred in all three grazing provinces, but about in all three prairie provinces, but about the only damage reported was in the northern half of central Alberta where some of the late feed crops were affected. Despite the wet weather in the west the movement of new grain from the farms continues on a fairly good scale, farms continues on a fairly good scale, and deliveries of wheat since Aug. 1 total 45,500,000 bus, compared to over 105,000,000 bus for the same period last year. Grading continues high, and of the 11,675 cars inspected so far, 2,483 cars graded No. 1 hard, 3,603 No. 1 northern, and 2,440 cars No. 2 northern.

Toxonro, Onr. A preliminary estimate of yields of grain crops in Ontario gives the acreage of fall wheat as 631, 500, as compared with 659,617 in 1930, and this year's yield as 18,976,000 bus against 17,612,000 in 1930, the yield per acre being 30 lots, against 26.7 lots last year. A preliminary estimate of the spring wheat yield is 2,702,000 bus, as against 2,130,000 bus last year. The estimate for oats is 87,973,000 bus, against 97,522,000 a year ago, and for barley 14,950,000 bus, gain t 19,427,000.

THE FARM BOARD'S DEFENSE

IN a belated attempt to find some justification for the Federal Farm Board's push cart sales methods in trading stabilization wheat for B.azilian coffee, the Farmers' National Grain Corporation, the board's tax financed ward, and blood brother to the board's other tax financed creation, the Grain Stabilization Corporation, has made a 'study' of the swap and concludes, publicly, that millers' protests against the obliteration of the fifth largest flour market of the United States are without much merit.

As its reasons, in brief, the corporation offers the following: Average exports of flour to Brazil are the equivalent of only 3,850,000 bus annually, while the barter supplies Brazil with five times as much wheat as is normally shipped in the form of flour and four times as much as wheat and flour taken together. The swap places United States wheat in a market to which it would otherwise not go. A very large part of the flour shipped to Brazil is milled in bond from Canadian wheat. The manufacture of this flour would require fewer than 200 mill workers, while the wheat traded represents employment of more than 25,000 farmers. The sooner stabilization stocks are disposed of, the quicker domestic markets will have a chance to work higher.

Such a consummate summary of the situation leads to the obvious conclusion that the farm board believes that the transaction has opened a new market for American wheat and that, once the present disgraceful conditions are removed, Brazil will continue to import annually 18,750,000 bus of United States wheat, or at least, more wheat than was imported before the trade. If it believes this, the board is not only exceedingly optimistic, but a trifle silly as well.

Brazil took the wheat because it could get it at a low price in exchange for a commodity which it is burning or dumping in the ocean at periodic intervals. When the farm board wheat is consumed, Brazil will buy nearly all its wheat where it has always been bought, on the cheapest market, probably Argentina. Meantime, the United States flour trade is disrupted, and normal trade will be difficult to re-establish.

It is probably true that a part of the flour shipped to Brazil was made from wheat grown in Canada, but not all of it was, by any means. Some came from the Pacific Coast, some from the Southwest and, perhaps, some from the Northwest. The question of the propriety of milling in bond in the United States is entirely outside the problem of the Brazil flour deal. The size of the Brazil

flour market is not as important as the precedent involved in the deal. If the farm board can destroy the Brazilian market by the methods used, then it can destroy every other export flour market by similar tactics.

Beautiful adroitness is shown in the neatly turned point about employment. Of course, the corporation has forgotten to count the cotton mill workers, cotton farmers, mill machinery manufacturers, steamship companies, sailors and all the rest who are deprived of an opportunity to share in what should be their business. The 25,000 farmers, which the wheat represents, were employed some two years ago. Their job is done, they have received their hire, and if the board's acreage reduction program is successful, a considerable portion of them are about to be discharged. The employment of men to handle the flour business would have occurred in 1931-32, not 1929-30.

Obviously, there is truth in the contention that the sooner the stabilization stocks are disposed of, the better. Some observers seem to disagree with the board when they contend that the manner in which the stocks are sold is as important as the time involved. The farmer, no doubt, is aware that the board is underselling him in foreign markets, and it is an extremely fine line that separates the board's present sales efforts from similar methods on the part of Russia, to which the board points with horror.

What of the other considerations? The farm board has appropriated, temporarily, one of Argentina's natural markets. The Argentine wheat, which will not go to Brazil this year, will not be hoarded against a brighter day. It will go to Europe at low prices to compete with more farm board wheat at low prices, as well as the farmer's 1931 crop. The trade with Brazil has not increased wheat consumption, it has merely shifted the normal flow of wheat from exporting to importing countries. Argentine ill will is the price paid for the capricious whim of a few individuals who apparently know more about politics than wheat marketing.

The irony lies in the fact that this attack on the good faith of the milling industry is being sent through the mails to newspapers and periodicals throughout the country, the expense being partly borne by the very individuals it ridicules. Every miller has helped to pay for this questionable "study" of his business. Every miller has been forced to support the specious arguments which hold him up to the public as a self-seeking traitor to the glorious cause of political wheat marketing.

BRAZIL DEAL UPHELD BY FARMERS' NATIONAL

Farm Board Creation Declares Millers' Protests Against Coffee-Wheat Trade Have Little Force

On the letterhead of the Farmers' National Grain Corporation, the following publicity material has been released to the press of the country:

"Protests of millers against the sale of wheat to Brazil by the Grain Stabilization Corporation, rather than flour, affords a basis for study of the situation with respect to grain and flour exports from this country to Brazil. The study discloses a number of facts that to a large degree remove the force of the protests.

"I. Average exports of flour from the United States to Brazil are less than 850,000 bbls annually, the equivalent of approximately 3,850,000 bus of wheat,

"2. The stabilization corporation's sale of 25,000,000 bus of wheat to Brazil, covering a period of 16 months, is equivalent to 18,750,000 bus for one year, or five times as much wheat as is normally shipped annually in the form of flour. Further, in view of the fact that wheat shipments to Brazil are less than 1,000,000 bus a year, the Brazil sale is equal to four times the normal exports of both wheat and flour, or an increase in normal wheat shipments from the United States to Brazil of more than 400 per cent for the next 12 months.

"3. A very large part of the 850,000 bbls of flour normally shipped to Brazil from the United States is not grown in the United States, but is milled in bond from wheat grown in Canada.

"4. To manufacture 850,000 bbls of flour a year requires the employment of

fewer than 200 mill workers; the Grain Stabilization Corporation's sale of wheat to Brazil represents the employment of more than 25,000 farmers.

"Sale of 25,000,000 bus of wheat to Brazil removes that much of the price depressing surplus from the country and places it in markets where it would not normally go. The sooner the surplus is disposed of, the more quickly domestic markets will have a chance to work to higher levels—provided the farmers cooperate to the extent of reducing production and thus preventing the continued piling up of new surplus supplies.

"Farmers' intentions-to-plant reports to the Department of Agriculture indicate a reduction in winter wheat acreage sown this fall from the 42,422,000 acres of 1930 to 37,341,000 acres, or 12 per cent. European countries, however, are taking additional steps to protect their growers from the disastrous effects of low world wheat prices. Italy has raised its tariff duties on wheat from 85.9c to \$1.07%. Other countries, already having high tariffs, are keeping out foreign wheat by reducing the quantity that may be milled or imported. The exporting countries of Europe have obtained preferential treatment for their wheat through commercial treaties with the importing countries. Russia continues to dump its low-priced wheat on the world market. During the first 10 weeks of the 1931 marketing season Russian exports of wheat amounted to 21,000,000 bus, compared to 9,000,000 bus during the corresponding period of 1930.

"World wheat carry-over shows great gains. Carry-over of domestic wheat in the Unieth States, as of July 1, 1931, was 319,059,000 bus, compared with 290,530,000 a year before, and a large part of the latter is still in the visible supply. World carry-over now is indicated to be 659,000,000 bus as of July 1, this year,

compared to 569,000,000 hus, July 1,

"Over-supplies of any commodity hammer down prices."

CENSUS RETAIL SALES

New York, N. Y.—The United States Bureau of the Census has compiled figures showing the business of 192 different kinds of retail stores. With a total of \$50,033,850,792 aggregate net sales for the year 1929, the food group leads, doing \$11,310,627,359, or 22 per cent of the total net sales. Of this the stores selling dairy products sold \$139,832,662 worth of foods, bakeries, with 12,076 stores, sold \$198,851,173 worth, and the total net business done by restaurants and eating places amounted to \$2,097,170,528.

DAVID D. FRITCH, VETERAN EASTERN MILLER, IS DEAD

Pritsburght, Pa.—Dr. David D. Fritch, 83 years old, head of the D. D. Fritch Milling Co., Macungie, Pa., died at his home recently after a long illness. After graduating from the University of Pennsylvania with a medical degree, Dr. Fritch entered the milling business with his brother in 1878 at Macungie. He was of a family of millers, and three preceding generations had been engaged in the industry, one of Dr. Fritch's ancestors being the first millers in his section of Pennsylvania, establishing a plant in 1764. Dr. Fritch is credited with milling the first rye flour by the roller process. Besides directing the mill, Dr. Fritch engaged in extensive farming operations, and won considerable praise for his experimental work with potatoes. He also was active in local government and was president of the Macungie silk mill for many years.

FARMERS LOSE FAITH IN FARMERS' NATIONAL

Pacific Northwest Wheat Growers Are Showing More Hostility to Farm Board Offspring—Sell to Independents

SEATTLE, WASH.—The sentiment of wheat growers in the Pacific Northwest toward the Farmers' National Grain Cortovard the Farmers' Section 1 and the first that the board's methods would result in any hencht to them, the ranks of those opposed to its activities have steadily increased as wheat declined and there now is apparent a widespread sentiment of unbelief that they can secure any help from that source. That this sentiment is not merely idle talk is demonstrated by the fact that the grain cortovard has for some time been securing less and less of the farmers' wheat and independent dealers more and more of it, with the result that the hoard will handle a very substantially less volume of the present crop than it did of the previous one.

Regardless of what merit there may have been in the so-called Walla Walla plan, rejected by the farm board, this plan had the support of many Washington farmers, and its rejection added fuel to the fire of hostility to the board, materially increasing the number of growers who will turn from the hoard to the independent dealers for marketing their grain.

PENNSYLVANIA MILLER DEAD

Pirtsacagu, Pa.—C. W. Yanquell died at Norwalk, Ohio, Sept. 12, aged 78 years. For the past 14 years he had been head Miller for the Kerrtown Milling Co., near Meadville, Pa. His widow, two daughters and a son survive.

PENNSYLVANIA MILL AND FEED MEN MEET

Pioneer Association Deals With Current Trude Problems in Annual Gather-ing at Harrisburg

ing at Harrisburg

Harrisburgo, Pa.—The organization of
Pennsylvain millers is the oldest among
its kind in the United States. The trend
of the times is clearly seen, however, in
the fact that its structure has been
changed to include members of the feed
industry. It was as the Pennsylvania
Millers' and Feed Dealers' Association,
therefore, that this organization gathered in its fifty-fourth annual meeting at
Harrisburg. Sept. 16-18. The program
gave emphasis to the importance apparently placed by the officers upon the feed
trade and its interests.

The first session of the convention was

The first session of the convention was The first session of the convention was called to order on the evening of Sept. If by President W. B. Barnitz. George E. Foss, secretary of the Pennsylvania State Chamber of Commerce, delivered the address of welcome. He spoke of general business conditions, mentioning specifically previous periods of depression, and said that invariably when recovery started it was rapid, carrying the nation to a higher scale of living than it previously enjoyed.

The response was made by H. S. Ap-

previously enjoyed.

The response was made by H. S. Appensellar, of the Lakeview Milling Co., Chambersburg, Pa. He spoke of the advantages of Harrisburg as a convention city, of the age of the organization and of the importance of flour milling in the life of the nation and state.

FEED REGISTRATION BILL

Two committees were called upon for reports at this session. H. V. White, reporting for the committee in charge of the feed registration bill in Pennsylvania, said that the bill to amend the license fee in Pennsylvania, which was introduced in the last session of the state legislature, was the result of many conferences. The bill passed both houses, after being amended so that any firm whose fee would equal \$25 or more would simply pay that amount without publicly whose fee would equal \$25 or more would simply pay that amount without publicly declaring the volume handled. The gov-ernor vetoed the bill, however, on the grounds that it was improperly drawn. Mr. White declared that the committee will renew its attempts to get this legis-lation enacted into law at the next ses-sion of the legislature.

sion of the legislature.
Julius P. Lentz, speaking for the committee appointed a year ago to confer with the Pennsylvania Bakers' Associawith the Pennsylvania Birers Associa-tion in regard to the establishment of a milling and baking school by the state, said that the governor had told them that no money was available for such work at the present time. Mr. Lentz said, however, that the committee has plans under consideration, and is hopeful of favorable

Mr. Barnitz concluded the evening ses sion with the appointment of the follow-ing committees: nominating, C. Y. Wag-ner, chairman, C. C. Gumbert, Robert C. Miner: auditing, Ross II. Rohrer, chair-man, S. S. Sensenig, W. K. Harlacker: resolutions, George Dayton, chairman, A. T. Collins, Harry J. Lerch.

Thursday morning's session was opened by an address by Dr. J. A. LeClerc, of the United States Department of Agriculture, who told what the department is doing with flour and feed. The substance of his address will be published in an early issue. He was followed by John A. McSparran, secretary of agriculture of Pennsylvania.

WHEAT STORY POORLY TOLD

Mr. McSparran regretted the fact that Mr. McSparran regretted the fact that bread is losing out as a food with the nation, and said it is largely due to the heavier consumption of oats and corn, although he did not think the use of wheat should be curtailed thereby. He declared that he is very much dissatisfied with the methods used in presenting

the story of wheat to the nation.

Mr. McSparran particularly spoke of
the increased use of certain types of
breakfast cereals, and said that undoubtedly they have supplanted the consumption of a large amount of wheat flour products annually. He declared that bread has not been "boosted" sufficiently

and urged millers to present the true facts about this food to the nation's consumers. He also mentioned the value of Pennsylvania wheat and suggested that the millers should work more closely with the farmers of their communities.

Another address delivered at this session was that by Dr. J. E. Hunter, of the Pennsylvania State College, who spoke on "The Scientific Compounding of Poultry Feeds."

MILLING NEGLECTS COSTS

MILING NEGLECTS COSTS

Mr. Barnitz, in making his annual address as president of the association, spoke of the revolutionary age in which we live. He said that milling has neglected to get a fair profit for its products at all times, and that it has neglected to consider its costs. He mentioned some of the activities engaged in by the organization during the past year, and expressed the hope that they would be enlarged during the coming year.

High compliment should he paid to the fine organization work that has been done by George A. Stuart, director of the Pennsylvania Bureau of Markets and secretary of the Pennsylvania millers' organization, who sopke, in part, as follows, in making his annual report:

"It must be agreed that price cutting of the reference convertable for the

gamation, who sopie, in part, as follows, in making his annual report:

"It must be agreed that price cutting of flour offers an opportunity for the consumers. There is no food produced or manufactured that is of greater value to mankind than bread. The more bread, butter and milk used, the better for the human race. It is far better to be bread fed than meat fed, or fed with other combinations and inventions. The lower the price to the consumer, the better for his pockethook. However, there is not much satisfaction in one being benefited at nother's cost. To strengthen and fatten ourselves while the miller starves, because he is at the mercy of speculators and combinations who are attempting to climinate each other from business, and so plunge into a ruinous price warfare, the theorems of the consumer than the price warfare, the theorems of the consumer of the consumer. commate each other from business, and so plunge into a ruinous price warfare, is not a reasonable thing to do; nor is it calculated to help the prosperity of the country. It is far better not to sell at all than to cut prices below a profitable basis, and thus spoil the possible sale of a brother miller. If such a sense of justice cannot be developed among the mentice cannot be developed among the memtice cannot be developed among the mem-bers of our industry, then nature must take its course. As an illustration, I wish to bring to your attention a de-velopment which has taken place in one of your neighboring states which is spreading into other states and has reached into the state of Pennsylvania.

"A farmers' co-operative association has been organized in Maryland to handle grain, feed, flour and other products, and is already doing a successful basiness. I have been told that the latest enterprise of this association is to make contracts with mills to sell them their supply of wheat, and are cither as a sell-ing agency for the flour and offals, or pay to the mills 50c bill for milling the wheat into flour and give them 85 lbs of may again, in the mills of the mass, of the wheat into flour and give them 83 lbs of bran and middlings. Many of the small mills should be glad of such an opportunity to keep the mill running on this basis. It keeps small lots of flour off the market, and should help to stabilize flour prices. Whether or not the large mills would care to enter into such an agreement is for them to decide, but you must agree that something must be done to stop price cutting.

"The flour milling industry covers such a wide territory that it is almost difficult to handle as farming, and I venture to say that unless the millers can organize and work together in a co-operative way, some other organization will be running the industry for them in the near future."

The treasurer's report was made by

The treasurer's report was made by E. J. Eshelman, who has served the association in that capacity over a long

ALL OFFICERS RE-FLECTED

Committee reports were taken up the first thing at the final session of the convention. The report of the nominating committee, which was enthusiastically adopted, resulted in the re-election of all officers. They are W. B. Barnitz, Carlisle, president; W. K. Harlacher, Highspire, first vice president; A. R. Selby, Germantown, Md., second vice president; E. J. Eshelman, Lancaster, treasurer. Mr. Stuart continues as sections. president: E. J. Eshelman, Lastreasurer. Mr. Stuart continues

Directors were elected as follows: A Directors were elected as follows: A. T. Collins, chairman, Mount Pleasant; Robert C. Miner, Wilkes-Barre; C. Y. Wagner, Bellefonte; H. S. Appensellar, Chambersburg; J. E. Sentry.

NATIONAL PEED COUNCIL INDORSED

Among resolutions adopted at this time was one indorsing the National Feed Merchandising Council and urging

the clinination of price guaranties and long-term bookings.

The first speaker on the morning program was David K. Steenberg, Milwankee, who spoke on "The Chain Feed Store Problem."

A bookkeeping system for millers was outlined in detail by H. S. Appensellar.

MAYBE IT'S WORTH IT?

MAYBE IT'S WORTH IT?

WELL, the farm board says the vecuntry will not buy up any more wheat or cotton for the purpose of holding up the price and helping the farmer. The board says it has come to this decision because it has discovered that it is no use. This noble experiment has cost us only \$500,000,000, but the \$500,000,000 are well spent if it will convince us that a man conto make himself taller by pulling up on his bootstraps.

Five hundred million seems a lot of money to spend to find that

Five hundred million seems a lot of money to spend to find that out, but it seems we did not know it before or we would not have done it. Of course, it seems reasonable enough that the more you pull up on anything the higher you raise it. But the farm board's experiment seems to prove that, when you are pulling up on your own bootstraps, you give a downward pressure with your body that equalizes the pull upward that you are giving on your hootstraps. A lot of people have suspected this before, but now the farm hoard proves it.

All we are afraid of now is that one of the many commissions down at Washington will shoot another five hundred million to prove that two and two, when properly added together, make four, or that it is colder in winter than in summer, that what goes up must come own. Still, it is worth while to find these things out, even if it does cost five hundred million bucks. Richard Henry Little in the Chicago Tribune.

An address of particular interest was that by F. B. Bomberger, assistant chief of the division of co-operative marketing of the Federal Farm Board. It has been the intention of those in

the hard of the program to devote considerable time to a discussion of flour and feed milling equipment, but time became so short that this was, unfortunately, materially curtailed.

THE SOURCES OF PROPER

H. M. Soars, of Sprout, Waldron & Co., Muney, Pa., said that when millers or others are considering installing grinding equipment, they should give se-rious thought to the sources of profit for local mixing. A manufacturing profit must be made, and in connection with this must be considered the cost of ingredients, carrying charges, actual cost of mixing, and the investment in equipment. He spoke of the profit that is to be made on the sale of concentrates, and the profit in mixing. Another factor that must be considered, he said, is a species to the companion. service to the community

F. M. Walter, of the Robinson Mfg. Co., Muncy, Pa, explained briefly the different types of grinding equipment available, and urged serious considera-tion be given to all planes of it before purchases are made.

The entertainment features of the convention consisted of a golf tournament at the Colonial Country Club on Thurs-day afternoon, and a banquet at the Penn-Harris Hotel that evening.

NEW YORK PRODUCE EXCHANGE HOLDS ANNUAL GOLF MEETING

New York, N. Y. At the annual golf tournament of New York Produce Exchange members, held at the Wheatley Hills Golf Club, Sept. 17, M. Kullman won the Barber Cup. The Murphy prize went to H. Fowler, with C. E. Halsted winning first prize and J. S. Keegan second. Other prizes were won by V. Snevely, C. H. Kunz and T. J. Coulter. Raymond F. Kilthau, one of the well-known Produce Exchange volfers, playing at Produce Exchange golfers, playing at the invitation tournament at the Sleepy Hollow Country Club, Sept. 8, turned in the enviable wore of 71, two under par. This included three hirdies and an eagle and meant sinking three 30-foot putts.

When a Feller Needs a Friend



THE NORTHWEST

ROBERT T. BEATTY, NORTHWESTERN EDITOR

118 South 6th St., Minneapolis, Minn. Correspondents at Duluth, Superior and Great Falls Cable Address: "Palmking"

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Spring Wheat Sales Show Further Improvement

TRENGTH in spring wheat flour prices early last week induced considerable huying, and the break later on resulted in acceptances of many resting orders below the previous high prices, so that mill bookings for the week showed a moderately large total, amounting to about 120 per cent of capacity. In the previous week, sales amounted to around 105 per cent, while bookings a year ago totaled about 100 per cent.

Buying Well Distributed.—Since the beginning of the crop year, however, spring wheat mills have sold much less flour than in ordinary years, and last week's sales represented the third best on

spring wheat mills have sold much less flour than in ordinary years, and last week's sales represented the third best on the crop, being considerably higher than the average this season. There was no change in the character of the buying. Sales were evenly distributed between bakery and family trade, and were most-ly confined to near-by shipment. Few purchasers have contracted very far ahead on this crop, and every buying flurry finds all classes of consumers rep-resented.

Clears Remain Scarce.—Choice clears remain scarce. Production is light, and most mills are unable to fill all the busi-

most mills are unable to fill all the business offered on these grades. Mixed cardemand absorbs a large share of the available supply. Prices are strong, fancy clear being as high as, and occasionally higher than, second patent. Prices Lower.—The sharp break in spring wheat prices last week resulted in a decline in flour values, bringing them about 15c below the level of a week ago. There has been a considerable number of sales made substantially below the range

There has been a considerable number of sales made substantially below the range of nominal quotations, and apparently some firms are willing to sell at a loss.

Directions Improved.—There was an improvement noted in shipping directions this week, reversing the trend of the two previous periods, but activity in ordering out flows is only moderate. Producprecious periods, but activity in ordering out flour is only moderate. Production during the past week showed a substantial gain, figures showing the largest weekly output since the last of August. Compared with previous years, however, the output last week was small. **Northeextern Exports Small.**—Export Vosiness from the Northwest was nearly at a standstill last week, as spring wheat prices are too high. Some business was

prices are too high. Some business was worked from Buffalo mills. The rapid fluctuations in the sterling exchange, as a result of the abandonment of the gold standard, was the feature of the week. Some acceptances of previous mill quo-tations were cabled after the drop in sterling. Not all such offers were acsterling. Not all such offers were accepted, but reports from London indicate that many were. Some of these acceptances may have been on some flour which had been consigned to the United Kingdom.

Quotations, Sept. 22, hard spring wheat Quotations, Sept. 22, mare sping states flour, basis cotton 98's or in jute 140's, Minneapolis: short patents, \$1.35@4.80; standard patent, \$1.10@ 1.40; second patent, \$1.40: fancy clear, \$3.85@115; first clear, \$3.35@3.70; second clear, \$1.90@1.25; whole wheat, \$3.90@4.35; graham, \$2.75@3.70; standard, \$3.75@ 3.90.

Mills in Operation. -Of the 26 Minneapolis mills, the following 14 were in operation Sept. 22: Atkinson, Everett, Aughenbaugh & Co., King Midas, Minneapolis, Northwestern Consolidated A and F. Pillsbury A (one half), A South, Graham, Palisade and Phoenix, Wash-burn Crosby A, C (one half), rye and Gold Medal feed.

SEMOLINAS

No change has occurred in the semolina market since a week ago. Demand is slow, despite the fact that buyers have not covered requirements very far ahead.

Present high prices are curtailing purchasing, and any further advance may result in purchases of hard winters instead of semolinas. Mills are forced to pay about 25c bu over the option for good amber milling wheat, due to the short crop this year. Shipping directions have improved, and output this week is larger. No. 1 semolina is quoted at \$4.60 @4.75 bhl, bulk, f.o.b., Minnenpolis, and No. 3 at \$4.20@4.30. In the week ended Sept. 19, eight Minneapolis and interior mills made 51,703 bbls durum products, compared with 47,370, made by nine mills, in the previous week. mills, in the previous week-

CROP YEAR OUTPUT AND EXPORTS

Flour output and foreign shipments by mills of Minneapolls, St. Paul and Duluth-Superior, also by "outside" mills in Minnesota, North and South Dakota, Montana

A. E. Mallon, export manager for the Pillsbury Flour Mills Co., Minneapolis, is in New York.

Siebel C. Harris, of Scott, Burrows & Christie, Chicago, spent two days of last week in Duluth.

W. B. Webb, president of the Waba-sha (Minn.) Roller Mill Co., left last week for an extended eastern trip.

John H. Ball, of Chicago, of the mer-chandising department of the Farmers' National Grain Corporation, visited the

Deliveries on September contracts in Duluth market up to Sept. 19 have aggregated as follows: durum wheat, 1,019,-

000 hus; rve, 600,000; flaxseed, 30,000.

Landis Barley, until recently superintendent for the St. Paul (Minn.) Milling Co., left this week for Hollywood, Cal., where his family is at present residing.

As an example of the blight of gov-

ernment interference, grain men in the Minneapolis market are pointing to the

fact that barley is selling for more per

Karl E. Humphrey, treasurer and di-

John D. Cain, of the Nebraska Consolidated Mills Co., Omaha, was a Min-neapolis visitor, Sept. 17. Earle Roth, of the Gooch Milling & Elevator Co., of Lincoln, Neb., was in Minneapolis, Sept.

Flour and feed arriving at Duluth-Superior from interior points for lake shipment is moving out about as fast as it comes in and stocks in the railroad

warehouses are showing no accumula-

The referee in bankruptcy has arranged for the sale of the milling property of the Judith Milling Co., at Hobson,

Mont., and four of its country elevators, for \$8,500, to the Montana Elevator Co., and a meeting will be held at Lewistown, Sept. 25, to confirm the sale.

The short crop in parts of the Northwest will undoubtedly result in the clos-

rector of General Mills, Inc., Mineapolis, has purchased the L. H. Piper home at 2520 Park Avenue, and will more into it with his family, Oct. 1.

Duluth exchange Sept. 15.

pound than wheat.

tions.

BREVITIES

and lowa, from Sept. 1 to 12, 1931, with

compartsons,	m	parreis	(OOO B	omitted)	
	-	Outp	ut-	-Fxpor	
		1931	1930	1931	1900
Minneapolis .		501	78G	***	1
St. Paul		21	29	4	1
Duluth-Sup		50	72		
Outside		372	747	2.0	31

MINNEAPOLIS FLOUR OUTPUT Output of Minneapolis mills, with com-arisons, as reported to The Northwestern

	Wockly	Flour	Pet.
	bbls	bbbs	rivity
ept. 13-19	395,100	202,192	51
revlous week	395,100	139,627	35
ear ago	438,450	258,425	7.9
wo years ago	432,150	284,861	66
hree years ago.	428,700	294,659	69
our years ago	140.700	288,013	1.5
Ive years ago	423,840	254,227	60

OUTSIDE MILLS

Flour output by the principal interior mills in Minnesota, including St. Paul, North Dakota, South Dakota, Montana and Jawa as reported to The Northwestern Miller, with commandants

with comparisons:	Weekly	Flour	Pet
	capacity	output bbls	tivity
Sept. 13-19	437, 210	194,172	4.6
Previous week	437,250	185,375	13
Year ago	438 450	275,681	60
Two years ago	432,150	284,861	GI
Three years ago.	128,700	291,669	65
Four years ago	110,700	288,013	65
Five years ago	123,840	254,227	6.0

Light Buying at Duluth

DULUTH, MINN.—Inquiry was reported slightly broader by one mill last week, but evidenced no appreciable change, ac-cording to the other. The week's husi-ness was marked by light buying with demand routine in character. Sales

ing of many interior elevators. eral stations in southwestern Minnesota and South Dakota, the receipts of grain during August were less than 200 bus each, as compared with 10,000 to 14,000 bus each in the same month last year.

in the 閣巨WS

Howard Keyes, of Ohio, has brought suit against the Interlake Steamship Co., owner of the steamer E. A. S. Clarke, on a claim assigned to him by the Pillsbury Flour Mills Co., to recover \$81,761 for damages alleged to have been sustained while the boat was wintering with a carrie of wheat in Ruffellowing with a cargo of wheat in Buffalo harbor during

. .

The water rate on wheat, Duluth to Buffalo, has stiffened somewhat, advancing from %c from the low point of 1%c but to 1%c. The development of a brisk demand would probably force the rate somewhat higher. Some of the hoats are being laid up for the season owing to the poor business. The Montreal rate is nominally 6c.

The general extension division of the University of Minnesota will conduct classes again this full and winter in railway traffic and rates. Lee Kuempel, assistant director of the Minneapolis Traffic Association, and C. C. Crellin, fornerly with the Washhurn Crosby Co., Inc., but now with the Minneapolis & St. Louis Railroad, will be among the instructors.

A mild sensation was caused here last week when Victor A. Johnston, editor of the official publication of the North-west Grain Association, Minneapolis, in tendering his resignation, said he could no longer support the program of the farm board, and that the Farmers' National Grain Corporation had used co-ercive methods to bring about the ab-sorption of the Northwest association.

Among the Minneapolis millers attending the convention of the American Bakers Association at Chicago this week are ers Association at Chicago this week are G. Cullen Thomas and W. E. Doty, of General Mills, Inc; Martin Luther and C. G. Harrel, of the Commander-Larabee Corporation; M. A. Gray and W. E. Derrick, of the Pillsbury Flour Mills Co; Leslic Olsen and W. J. O'Keefe, of the International Milling Co; M. P. Fuller, of Everett, Aughenbaugh & Co. H. L. Beecher and J. F. Armstrong, of the Eagle Roller Mill Co., New Ulm, Minn., also went to the convention. also went to the convention.

mostly were for part or a car or with prompt shipping or near-by order, given. Wheat premiums are mounting, and some buyers, becoming a little tmin when mills put up prices, burriedly send in wires asking to be taken on before the advance took effect. The wide difference existing between swing and winter the advance took effect. The wide difference existing between spring and winter flour quotations places northwestern milk at a great disadvantage when meeting competition from the Southwest. Mikhave reduced asking prices 15c on patents and on clears 10c bhl.

Clears are scarce and buyers inquiring for supplies without much success. The light production allows little or none the offer for sale. Present prices are out of line for export.

Semolina buyers are not disposed to

ine for export.

Semolina buyers are not disposed to follow price advances, except when necessity compels.

Quotations, Sept. 19, at Duluth-Superior, f.o.b., mills, in 98-lb cottons: first patent, \$4.55@4.70 bbl; second patent, \$4.25@4.40; first clear, \$3.90@4.15; second clear, \$2.35@2.60.

FLOUR OUTPUT

Flour output at Duluth-Superior mills, with a capacity of 37,000 bbls, as reported

The Northwestern	Miller:	
	Output	Pet of
	hhla	netivity
ept. 13-19	13,465	.74
revious week	19,145	52
ear ago		50
wo years ago		77

imall Movement of Montum Flow

Small Movement of Montana Flour Guear Falis, Montana Flour Guear Falis, Montana Canvass of the situation does not reveal any change in the flour business. There is a good local demand and a fair run of business with the jobbers who cater to the small bakery trade, but any architecture. trade: but, as a whole, business lacks the snap it usually has at this season of the year. The flour trade seems determined year. The flour trade seems determined to play the game along the most conservative lines. With the rather difficult wheat situation, Montana mills are confining their sales to near-by shipment orders. Production is at approximately

) per cent of capacity. Quotations, f.o.b., mill, car lots, Sept): short patent \$4.40@4.60 bbl, standard patent \$4.20@4.40, first clear \$3.806 + 10.

CHAMBER OF COMMERCE NOMINEES

MINNEROLIS, MINN.— Harrison G. Dickey, president of the Penvey Co., has been nominated president of the Minnerollo Gomerce, and A. F. Owen, of the Cargill Commission Co., vice president. For directors, Frank J. Seidl, J. C. Wyman, E. E. Mitchell, George K. Lahatt and Henry J. Moreton, Brand of architecture. George K. Labatt and Henry J. Ande-ton. Board of arbitration, E. S. Fergu-son, F. B. Carr and R. J. Healy. Board of appeals, C. G. Williams, R. C. Wond-worth and P. C. Rutherford. Election will be held in three weeks.

DENIES MISBRANDING CHARGE

KANNAN CIVING MO.—A formal charge of feed mishranding was last week filed in United States court here against the Hoyland Flour Mils Co. as n result of the alleged finding of a shipment of pul-

verized outs containing calcium carbonate at Jacksonville, Pla., several months ago. George W. Hoyland, president of the company, states and will testify when the case comes to hearing that his company at no time ever has added calcium carbonate, or any other mineral to its. carbonate or any other mineral to its ground feed products.

KEEN COMPETITION FOR PROTEIN

Drigerii, Minn.—In the cash wheat market at Duluth competition for top quality high protein wheat at diversion points is keen, with flour mills absorbing everything, due to the short crop. Eastern mills are buying for their plants, but the shipments are not active enough to keep the boat trade at all busy. Choice offerings command premiums above the going basis. Lower proteins and off grades are slower and easier.

GALVESTON GRAIN EXPORTS

Grain exports through the port of Galveston during August totaled 4,657,923 bus, of which 15,000 were barley and the remainder wheat. This compared with 4,400,000 bus in July. Figures covering clearances and bookings for September indicate that total clearances for the month will approximate 2,000,000 bus.

THE-SOUTHWEST

ROBERT E. STERLING, SOUTHWESTERN MANAGER

612-614 Board of Trade, Kansas City, Mo.

Correspondents at Atchison, Hutchinson, Oklahoma City, Omaha, Salina and Wichita Cable Address: "Palmking"

Small Lots Feature Trade in Hard Winters

Small Lots Feature T declining tendency last week. Approximately 95 per cent of capacity was sold, in comparison to 185 per cent the previous week. The absence of large bookings accounts for the decrease. Large eastern buyers were using more caution than ever in their booking. The decline in wheat on Sept. 19 would seem to back up their distrust of the market, but millers are paying little heed to the option market and are basing prices on the extremely high premiums, making it difficult to convince buyers that prices should hold to present levels. Millers felt fairly secure in their position and predicted that the low point in high protein bookings had been reached, but with options touching a new low at the close of the week it begins to look as if further recessions are highly probable.

Bookings in Small Amounts.—Nearly

Bookings in Small Amounts.—Nearly all forward business was booked in small all forward business was booked in small amounts for shipments during the re-mainder of the calendar year. Orders specifying spring shipment were searce. One or two orders for 15,000 bibs were received, but the bulk of sales was for 5,000 bibs and less. Millers say family trade is improving from week to week, while most bakery sales continue on a hand-to-mouth basis.

Improvement in Directions.—Production increased 25,000 bbls from the previous week at Kansas City. Directions are in more liberal volume and contracts are in satisfactory shape. Mills have been getting exceptionally good directions from their mixed car trade, but sales of this nature have shown a deciliative tradpage table. elining tendency lately.

Meager Export Sales.—The fore part of the week saw two sales to Latin American countries of 2,000 bbls each. American countries of 2,000 bbls cach-but on succeeding days exports dropped off to about 400 bbls per day for the entire Southwest. Kansas City mills re-port their prices about 45e out of line with continental countries, giving little hope of sales. The drop in wheat will doubtless create a good deal of interest in continental markets, but sales are im-probable.

Prices Somewhat Firmer.-Lower mill-Prices Somewhat Firmer.—Lower mill-feed prices and strong premiums on high protein wheat have held prices to high levels, particularly in the upper grades. Quotations, Sept. 19, f.o.b., Kansas City, in cotton 98's or jute 110's, basis dark hard winter wheat: short patent, \$3.506, 4.15 bbl; 95 per cent, \$3.63.40; straight, \$2.90@3.25; first clear, \$2.25@2.65; sec-ond clear, \$2; low grade, \$1.85. Forcegoing are nominal prices named

Foregoing are nominal prices named by established terminal and interior mills on flour under their own brands. On round lots, to large buyers or for export, actual sales may range, particularly on the better grades of flour, 10@ 50c under figures named.

FLOUR PRODUCTION

The first table below shows the flour pro-duction and rate of activity of 61 repre-sentative southwestern mills, exclusive of Kanass City. Wichita. Omaha, 84 Joseph. Salina and Atchison. Additional tables giv-the production and activity of principal milling centers in the territory.

	Weekly	Flour	Pet.
	capacity	output	of ac-
	bbls	bbls	tivity
Sept. 13-19	319,650	183.035	17
Previous week	325,650	150.363	25
	325,650	229,410	70
Two years ago	326,250	223,682	6.9
Five-year average			24
Ten-year average			80
KA	SAS CIT	Y	
Sept. 13-19	188,700	151,829	24
Previous week	188,700	125,282	6.6
Year ago	133,700	160,744	15
Two years ago	188.700	165,770	4.1
Pive-year average			24
Ter-year average			7.5

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	WICHITA		
Sept. 13-19	62,400	37,299	60
Previous week		27,742	- 11
Year ago		35.587	6"
Two years ago	62,400	40.740	65
	SALINA		
Sept. 13-19	43.000	10.511	85
Previous week	48,000	42,411	22
Year ago		10.550	5.1
Two years ago		39,329	82
S'			
Sept. 13-19	47,400	51.171	108
Provious week		31.318	10%
Year ago	47,400	8,360	116
Two years ago		30,881	65
2	TCHISON		
Sept. 13-19	31.500	31,273	99
Previous week		27,268	17
Year ago	31,500	35,991	111
Two years ago		31.913	99
	OMAHA		
Sept 13-19	27,300	23,159	95
Previous week		20,759	76
Year ago		21,531	91
Two years ago		21,000	3.3
I wo years uso	21,200	_1,000	

NEWS

W. H. Hinkle, feed sales manager for the Pillsbury Flour Mills Co., Atchison, was in western Kansas last week.

J. D. Fleekenstein, Kansas City manager for the Livingston Economic Service, spent the week-end in Minneapolis,

Harvey L. Williamson, sales manager for the Goerz Flour Mills Co., Newton, Kansas, is visiting connections in the

Charles H. Newman, executive vice president of the Tex-O-Kan Flour Mills Co., Dallas, Texas, was a recent visitor

Adolph Mayer, Dallas, Texas, representing the Fulton Bag & Cotton Mills, visited recently in Oklahoma City and

Laurence B. Chapman, president of the Walnut Creek Milling Co., Great Bend, Kansas, was in Kansas City re-

John E. Novak, export manager and assistant sales manager for the Kansas Milling Co., Wiehita, was calling on the Oklahoma trade last week.

Don C. Graham, Kansas City thour broker, has returned from a two months' motor trip to the eastern and northers states. Mrs. Graham accompanied him.

C. Y. Partain, representative in Texas for the Wichita (Kansas) Flour Mills Co., accompanied by Mr. Rhem, of the Rhem Baking Co., Abilene, visited his home office Sept. 16.

J. C. Regier, president and manager of the Bubler (Kansas) Mill & Elevator Co., recently escaped injury in a col-lision of his car with a truck near Salina. The car was hadly damaged.

R. W. Van Brocklin, Memphis, Tenn., flour broker, visited for two days at the plants of the Buhler (Kansas) Mill & Elevator Co. and the Walnut Creek Mill-

ing Co., Great Bend, which he represents.

The Hutchinson, Kansas, Board of Trade has appointed a committee to investigate the possibility of building a new home. Leaders in the movement have in mind utilization of the top half of an eight-story building. Inability to get space is preventing expansion of the

southern states.

Kansas City.

adjacent territory.

market. The Mensendieck Grain Co. market. The Mensendreck Grain Cos, or Kansas City, opened an office in Hutchin-son last week after trying for months to get space in the building now occu-pied by the board and grain offices.

GRISTIMBRIEF

Albert H. Morrill, president of the Kroger Grocery and Baking Co., stopped off in Kansas City last week on a tour of several middle western cities where the Kroger company has extensive hold

E. B. Hackney, president, H. T. Shaef fer, treasurer, and A. W. Shelley, super-intendent of the Blair Milling Co., Atch-ison, were in central Missouri last week calling on some of their trade connec

The Pioneer Flour Mills, San Antonio, Texas, created considerable interest in the annual Gillespie County Fair at Fredericksburg, Texas, with a replica of a mill built in 1851 by the late C. H. Guenther, pioneer miller.

C. C. Kelly, vice president of the William Kelly Milling Co., Hutchinson, Kansas, passed through Kansas City carly last week with his daughter, Miss Elizaheth Kelly, en route to St. Charles, Mo., where Miss Kelly will attend Lindenwood College.

Horatio V. Nye, formerly prominent in the milling industry of the Southwest, but now engaged in the insurance business in New York, accompanied by Mrs. Nye, is spending several days in Kansas City. Mr. and Mrs. Nye motored west with friends and plan to fly back this month.

William J. Williams, Latin American export manager for the Robinson Mill-ing Co., Salina, Kansas, stopped off last ing Co., Salina, Kansas, stopped off last week in Kansas City on his way to St. Louis for his marriage on Sept. 19 to Miss Virginia Henslee, of St. Louis, daughter of Mr. and Mrs. Claude E. Henslee. The ceremony took place at St. Roche church.

Several Kansas City millers are at tending the convention of the American Bakers Association in Chicago this week. Among them are Carl B. Warkentin, president, and Gordon B. Wood, sales manager, of the Midland Flour Milling Co; J. B. M. Wilcox, Ismert-Hincke Milling Co; J. S. Myers, of the Rodney Milling Co; J. Juul, president, and E. J. Long, sales manager, of the Southwestern Milling Co, Inc. tending the convention of the American

Reports of about 70 mills to The Northwestern Miller showed sales represented per cent of capacity as follows: Sept. 13-19, 67; previous week, 66; year

ago, 83.

Of the mills reporting I described domestic husiness as active, 11 fair, 11 quiet, 10 slow and 10 dull.

Direct export shipments by all reporting mills outside of Kansas City were 1,165 bibs last week, 5,110 in the previous week, 23,088 a year ago, and 32,577 has year ago. two years ago.

Oklahoma Business Is Light

Oklahoma Business Is Light
OKLAHOMA CITY, OKLA.—Flour trade
is very light, with sales limited to the
family class and very little exporting.
Average sales are approximately 60 per
cent of capacity and mill operation is
shout 60% 15 per cent of capacity. Buycrs continue to use extreme caution, due
to a lack of confidence. Shipping directions are dull. Prices are firm. Quodations, basis 18-lb cottons, Oklahoma delivery; hard wheat, short patent, \$3.40;
bbl; soft wheat, short patent, \$5.40;
standard patent, \$3.20.

Nebruska Trade Moderately Active

OMAILA, Nen.—The flour trade shows only moderate activity. Most sales are for small lots and early shipment. No export business was done.

Movement of wheat to Omaha continued in rather small volume. A good deal of the wheat arriving here was from northern Kansas. Nebraska growers con-

A PROFIT IN WHEAT

Wichita, Kansas

Wichita, Konsas IN western Kansas a wheat farmer piled his wheat on the ground in six heaps of various sizes. A young man who was out collecting for the General Motors Co. inquired of the farmer why he piled his wheat up in this manner. The young man got this reply: "There's a reason, son. See that largest pile? That goes to the International Harvester Co., to pay for my combine; the second to the John Deere Plow Co., to pay for my tractor; the next to the General Motors to pay for my truck; the next, to one of the hardware men for supplies; the next one to the greer and other local merchants; and this half bushel, in the last pile, is what I have left to show for my year's work."

tinue to maintain their holding attitude. Wheat containing 13 per cent or more of protein was in particularly active de-mand at strong premiums. That con-taining less protein was only fairly easy to move. Ordinaries were slow.

Bookings Small at Hutchinson

Bookings Small at Butchinson
HUTCHINSON, KANAS.—Flour bookings
are light, buyers showing a disinclination
to take hold unless sharp price concessions are made. Inquiries are fairly free,
but price ideas too low. Export business is at a standstill, and shipping directions increasingly hard to obtain.
Quotations, basis cutton 98's, Kansas
City: short patent, 82.90 hbl; straight,
83.50; first clear, 82.10.

DALLAS, TRANS.—Flour inquiry showed moderate improvement last week, due largely to increased stability in the wheat market. Light stocks in the hands of retailers made for a more satisfactory condition in family trade. Bakers still exercise authorite making backings all condition in family trade. Bakers still exercise caution in making bookings, although their orders were slightly in excess of the previous week. Large castern buyers were in the market, but their ideas did not coincide with those of mills. Flour prices are firm. Quotations, basis delivered consuming territory of Texas and western Louisiana: hard winter short patent, \$3,606-3.80 bhl; standard patent, \$3,206,3.50.

Fair Sales at Wichita

Wientry, Kassas Production at Wichita increased last week. Sales have been fair and shipping directions are easier to obtain. A few export orders have been received from the West Indies, but virtually none from continental countries. Quotations for the week ending Sept. 19 were in line with the previous week, best mill brands hard wheat short patent being held at \$3,706,3390 bbl, basis cotton 18's, in Kansas City territory.

Atchison Bookings Limited

Arcuisos, Kynsys.—Flour sales dropped to around 50/a75 per cent of capacity last week, with very limited bookings from all classes of trade. Bak-ers who have lost the market are taking ers who have lost the market are taking the attitude of endeavoring to beat the mills down to the old basis or waiting until they are actually forced into the market to buy further supplies. Millers believe that the low point has been seen for high protein bookings, and that prices have been discounted for all classes of wheat, and only a hig rush of wheat to the terminal markets could result in further declines. As most of the farmers are receiving considerable encouragement from bankers to hold their wheat, there is little to fear from encouragement from bankers to hold their wheat, there is little to fear from this angle. A sensational advance in bigh protein wheat is the big talk in the milling trade, and apparently there is considerable shortage. Shipping direc-tions, while slightly better, have eased up again, and mills are again on re-tricted traduction. stricted production.

Quotations: hard wheat short patent, 83.3% 150 bbl; straight, 836/3.20; first clear, 82.256/2.45. Bakery grades are 20% bbl over the effgures.

The wheat area of France in 1931 was less than 12,500,000 acres.

CENTRAL AND SOUTHERN STATES

WILLIAM H. WIGGIN, MANAGER

545-545 Board of Trade Building, Toledo, Ohio Correspondents at Atlanta, Evansville, Indianapolis, Nashville and Norfolk

Cable Address: "Palmking"

A SECTION OF THE SECT

Soft Wheat Milling Outlook Improves

AST week it began to look more defi-nitely as if the wheat market was reaching the point where prices might begin to reflect an anticipated fu-ture situation rather than the immediate present, and that this might be favorable present, and that this might be favorable to higher levels. Cash wheat has been working steadily into a stronger posi-tion, with a diminishing movement and advancing premiums in some sections, notably for high proteins in the Northwest. It may mean a better background west. It for flour.

for flour.

The bid at Toledo for No. 2 red, 281/cc rate points to New York, is 2c under Chicago December, 481/6/483/c on Sept. 19.

There has been some increase in receipts lately. The corn crop in this section is large and when it is cut and ready for feeding more wheat may be released. One miller has the idea that there may be secondary invested to wheat at that be secondary movement of wheat at that

Business with the mills is quiet but fair, and a moderate amount of flour is being sold all the time. Some export business has been done but it is of comparatively small volume. There is much complaint about low prices. There has been some revival of exchange business with country mills and millers are dis-posed to err on the side of generosity in the amount of flour given for a bushel of wheat

the amount of flour given for a bushel of wheat. Flour Prices.—Soft winter wheat standard patent flour was quoted, Sept. 19, at \$3.05@3.10, local springs \$3.90 and local hard winters \$3.35, in 98's, f.o.b., Toledo or mill. There has been an active demand for clear flours, with no possibility of meeting it. As last year, low priced flour is wanted.

CENTRAL STATES MILLS
Output by mills in Obio, Indiana and
Michigan, including those at Toledo, as reported to The Northwestern Miller:

	Weekly	Flour	Pct.
	capacity	output	of ac-
	bbla	bbls	tivity
Sept. 13-19	115,950	84,330	72
Previous week	123,600	82,934	67
Year ago	113,850	96,666	85
Two years ago	121,230	94,711	75
Three years ago.		79,349	66

Increased Sales in the Southeast

NASHVILLE, TENN. - Increased sales featured business at soft wheat mills last week. New hookings showed marked in-crease over the previous week, and aver-aged about 80 per cent of the capacity of mills reporting. Shipments held up fairly well, being close to production. Running time at soft wheat mills was curtailed, dropping somewhat below the average. Light sales during the first half of the month were an influence in small. of the month were an influence in smaller production, mills keeping the output close to demand.

close to demand.

Buyers have again been taking the cheap grades of flour on a more important scale, the demand for low grades having been pronounced during the past week. High priced established demands have been less active. The market was stronger, and buyers were taking flour more freely, there being some scattering sales of 1,000 to 2,000 bils, though most of the business continued in lots of 100 of the business continued in lots of 100 to 500 bbls for prompt and immediate shipment. Self-rising flours continued in

satisfactory demand, and routine.

Mills have continued to take moderate supplies of wheat, purchasing as required to cover flour sales. The cash market was up several cents at Nashville last was up several cents at Nashville last week. Movement was light, with prac-tically no local wheat being offered at large mills. Some Kansas wheat was arriving for storage by government co-operatives, and stocks thus held continued large. No. 2 red wheat, with billing, was quoted 62(a,63c at Nashville.

Flour shows a trend to higher prices on account of the strong wheat market, though mills continue to make sales at practically unchanged prices. Quotations, Sept. 19: hest soft winter wheat short patent, 98-4b cottons, f.o.b., Ohio River stations, \$4.30@4.80; first clear, \$2.40@3. \$2.40@3.

Rehandlers reported some increased activity in demand for Minnesota flours, huvers taking more freely in moderate quantities. Spring wheat flours con-tinued to show firmness. Stocks have tinued to show firmness. Stocks have been showing an upward trend for more than 30 days, and have been about the same as last year. Quotations, Sept. 19: spring wheat first patent, 98-1b cottons, delivered at Nashville, \$4.50@5: standard patent, \$4.25@4.60; hard winter wheat short patent, \$3.50@4; straights, \$3.25@360.

UR OUTF	דטי	
by south	eastern m	Illa, a
Northwest	ern Miller:	
Weekly	Flour	Pet
capacity	output	of ac
aldd	bbls	tivit
125,820	75,657	6
98,940	78,924	2
118,620	87.406	-
137,220	98,690	
148,320	101,603	6
	by south Vorthwests Weekly capacity bbls 125,820 98,940 118,620 137,220	capacity output bbis bbis 125,820 75,657 98,940 78,924 118,620 87,406 137,220 98,690

Business Improvement in Indiana

INDIANAPOLIS, IND.—Aside from the usual happenings, little occurred in the flour business during the past week. Buyers are coming into the market for their needs, but there are no future bookings reported. Orders are for immediate delivery, and buying in general is from hand to mouth.

Reports from over the state by travel-ing mill representatives indicate that

business is gradually returning to normal, and in some sections buying has improved, but to no marked degree. In some of the sections where the population is composed mostly of foreign born, the demand for rye flour has shown some improvement. However, many of the large buyers over the state are well covered until Jan. 1.

European buyers are not interested in

European buyers are not interested in present offers, consequently there is no export husiness. Operations continue about normal, and specifications on contracts are fairly satisfactory.

The flour market ruled firm to steady desire the week and tarrier and hard

The flour market ruled firm to steady during the week, and spring and hard winter wheat flours advanced 5c hbl, while soft winter wheat flour closed steady to unchanged.

Quotations, Sept. 19, f.o.b., Indianapolis, basis car lots, 98-lb cottons: soft winter short patent \$4.20@4.55 hbl, 95 per cent \$3.80@4.15, straight \$3.40@3.75, first clear \$3.50; hard winter short patent \$4.20@4.60, 95 per cent \$3.80@4.20, standard patents \$3.40@3.80, first clear \$3.35; spring wheat short patent \$4.20@4.30, standard patent \$4.20@4.30, standard patent \$4.20.00 \$4.30, standard \$4.20.00 \$4.3

Steady Improvement at Evansville

EVANSVILLE, IND.—Business shows a steady improvement at local mills, trading being highly satisfactory for the senson. Shipping instructions were good during the past week; exporting inactive. Prices are slightly higher. Quotations, Sept. 19, in 98-1b sacks, car lots, f.o.b., Evansville: soft winter wheat short patent \$1@4.25, 95 per cent \$3.20@3.45; Kansas hard winter short patent \$5.25, first clear \$3, second clear \$2.75.

Low Grades in Demand at Atlanta

Low Grades in Demand at Atlanta ATLANTA, GA.—Demand for flour in this section continues light, except for the lower protein flours, of which the buying is very good. Shipping instructions continue slow and mills make purchases to supply running needs only. The mills, however, are running on good time.

Prices moved up last week. Bakers flour advanced 10c bbl, the quotation on Sept. 18, in 98-lb cottons, delivered, At-

Inita, being \$1 bbl.
Soft wheat mills are making a desperate effort to dispose of their short patents. Seemingly, there is a surplus of

IN ASHBURN CROSBY CO. opened a southeastern sales office in the 101 Building, Atlanta, Ga., with H. R. (Dick) Kauffman, shown above, as manager. Mr. Kauffman, who has been connected with the flour trade in the South for the past 15 years, will be as sisted by C. J. Affleck, who went to Atlanta from the Louisville, Ky., mill.

these products, occasioned by the heavy demand and sales of clears. Low grade these products, occasioned by the nearly demand and sales of clears. Low grade products from Oklahoma were offered during the past week at \$2.85 bls. Indiana and Illinois mills quoted 95 per cent soft wheat flour at \$3.20@3.40, hulk.

The cotton condition remains unsettled, with group meetings being held over the state. Cotton is opening rapidly and misking and ginning are proceeding;

picking and ginning are proceeding; some cotton is being stored without gin-ning. Fodder pulling continues, sweet potatoes are being dug, while other crops are being harvested. Fruits are plentiful and have made a fine crop generally. Pecans are generally well fruited. More rain is needed for sugar cane, late corn and other crops. Further rain also is needed to place the soil in good condition for fall planting.

Norfolk Market Shows Little Change

Notifolk Market Shows Little Change Notifolk, Va.—Flour prices are little changed, and buying has been fair dur-ing the week. Quotations, Sept. 18: top springs \$4.75@5, second patents \$4.15@ 4.50; best Kansas patents \$3.50@3.85, second patents \$3.40@3.50; top winters \$3.50@3.75, second patents \$3.25@3.40. Virginia and Maryland straights, \$2.75

MILL SENDS FLOUR TO AID OF HURRICANE SUFFERERS

Louisville, Kv.—Flour and medical supplies for the hurricane-stricken area near Belize, British Hondurus, have been donated by the Ballard & Ballard Co.. Inc., of Louisville. About 100 bbls of flour, as well as disinfectants, bandages and other medical supplies, were sent to and other medical supplies, were sent to the company's connections in Belize, in addition to a lot of flour previously or-

DEATH OF NOAH W. MILLER

DEATH OF NOAH W. MILLER INDIANAPOLIS, IND.—Noah W. Miller, aged 81 years, died Sept. 17. He was member of the Indianapolis Board of Trade, and had been in the grain messes for more than 35 years. He was head of the Miller Grain Co, until eral years ago when ill health caused him to retire. Before coming to Indianapolis eral years ago when a manufacture caused mu-to retire. Before coming to Indianapolis in 1887 he was engaged in the milling business with his father in Peru, Ind.

MILL GETS VIRGINIA CONTRACT
RICHMOND, VA.—The Germania Mills,
Inc., of Fredericksburg, V., has been
awarded the contracts for furnishing
flour to all state institutions in Virginia
The mill was successful gainet porte flour to all state institutions in Virginia The mill was successful against more than 100 competitors. Shipments will start Oct. 1, and the flour will go to ev-

BEWS and PERSONAL

Atlanta bakers, through the Atlanta Bakers' Club, have offered to furnish day-old bread to the needy.

Nathan T. Moore, Atlanta Milling Co., has returned from a vacation in the mountains of eastern Tennessee.

J. L. Schofield, manager Memphis branch, Southwestern Milling Co., Kan-sas City, Mo., was in Atlanta the week of Sept. 14.

Mr. and Mrs. Howard Fisch announce the birth of a daughter. Mr. Fisch is president of the Highland Baking Co., Atlanta, Ga.

F. F. Sheppard, Indiana traveling representative for the Commander-Larabee Corporation, Minneapolis, called on the Indianapolis trade last week.

Leon Schwebel, Indiana Flour & Feed Co., Terre Haute, Ind., was a caller at the new office of the Mid-West Flour & Feed Co., Indianapolis, during the past

Leslie Igleheart, Los Angeles, Cal., who has been in Evansville for a visit with his parents, Mr. and Mrs. John Giltner Igleheart, has gone to New York on business before returning to Cali-

C. E. Skiver, wheat specialist in charge of the wheat improvement program sponsored by the Southern Indiana Millers' Association and Purdue University, has completed the planting of 60 plots of wild garlic on the Vincennes-Purdue farm, upon which plots he proposes to

try out 20 eradication methods to determine which is most effective. Wild g one of the worst problems to be solved in the production of high grade wheat.

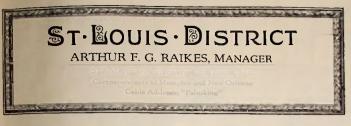
J. G. Womble, southern sales manager International Sult Co., Richmond, Va., has been visiting flour mills in Georgia. While in Atlanta he called upon Theodore Martin, flour and feed broker.

Members of the Vanderburg County Farm Women's Club, during a tour of Evansville manufacturing plants last week, visited the Igleheart mills and es-pecially the plant's domestic science de-vartment. partment.

The Young Men's Hebrew Associa-tion of Nashville has passed resolutions, paying high tribute to Morris Werthan, late president of the Werthan Bag Corporation. Mr. Werthan made bequests to several Nashville benevolent organiza-

Norman S. Horton, Elkhart, Ind., is now representing the Sheridan (Wyo.) Flour Mills, Inc., in Michigan. George A. Dorothy is representing the B. A. Eckhart Milling Co., Chicago, with head-quarters at 1908 Division Street, Detroit, Mich.

Stocks at Nashville at the close of the current week, and comparisons with the week before, as shown by the grain exchange, Sept. 19: flour, 39,400 bbls (39,000); wheat, 1,155,000 bus (1,108,000); corn, 38,000 bus (46,000), oats, 457,000 bus (276,000). The grain receipts at Nashville for the week were 122 cars.



Demand Spotted at St. Louis

MILLS report a spotted demand for flour, with one or two describing sales as much more active, though still in small lots and at close margins of conversion, while at least one other mill says it can seen no improvement in the situation. As for St. Louis bakers, they have taken some advantage of the extremely low prices that have been quoted in this market, mostly hy outside mills, with the result that their flour bookings are considerably heavier than at this time a month ago. Bakers still are not buying ahead as much as they have in past seasons, but in many cases they have heen unable to resist the temptation of flour offered them at ridiculously low of flour offered them at ridiculously low

Conversions a Problem.—It seems that the lower the price of wheat becomes, the lower the conversion obtained by millers. As one miller put it last week, when flour sells at 88 hbl it is possible to obtain 80c conversion, when it is selling at 86, the margin is 60c, but now that It is selling at around \$2.50 the miller is only left with 25c which naturally, is a ruinously low conversion. There is some indication, however, that price entting is letting up slightly. Especially in the case of family flour it is possible to get better margins. This may be due to the fact that the high protein premiums are making low protein flours look cheap compared to the bakery type of flour and millers are able to get better prices for their flour going to family consumption.

Production Higher.—Shipping directions, on the whole, have been coming in better recently, although one mill in this district reports that it is sorely in need of specifications. The better flow of directions is shown by a sharp jump in production by local mills.

Export Trade Dull.—The extremely keen demand for low grades is not so pronounced as it was a few weeks ago but mills still have little to offer. Export demand, which had shown some improvement in recent weeks, was again dull last week and only one or two sales were reported to Europe with Denmark and the United Kingdom the takers. A desultory, routine trade with Latin America continued. Conversions a Problem .- It seems that

desultory, routine trade with Latin

America continued,
Prices.—Quotations, Sept. 19, basis
jute 140's, St. Louis: soft winter short
patent \$3.25@3.75 bbl, straight \$2.75@
3.05, first clear \$2.60@2.70; hard winter
short patent \$3.30@3.70, 95 per cent patent \$3@3.20, first clear \$2.70@2.80;
spring wheat short patent \$4@4.130,
standard patent \$3.75@4, first clear \$3.15
6.2.95

FLOUR OUTPUT

Output of St. Louis mills, with a rekly capacity of 51,600 bbls, as reported to The Northwestern Miller: Output Pet. of bbls activity

Sept. 13-19 31,700

Previous week	311
Year ago 45,500	65
Two years ago 45,600	75
Output of outside mills, with a	weekly
capacity of 61,800 bbls, the pro	duct of
which is sold from St. Louis:	
Output	Pct. of
bbla	activity
Sept. 13-19 36,800	57
Previous week 34,200	53

New Orleans Trade Is Quiet

NEW OBLEANS, LA.-Trading in the local flour market continued on a quiet local flour market continued on a quiet hasis, hayers taking hold mostly in small quantities to cover immediate require-ments. Few orders were reported for more than 90-day delivery. Prices are firm and the majority of buyers ap-parently prefer to await developments in the market before acting.

Few bakers can be induced into the

market, but family buyers are more interested in offerings. However, grocers are not in the market for future deliveries. Millers are quoting prices that are not in line with buyers' ideas which, of course, is one of the reasons for the dullness of the market.

Elementation, Sont 17, basic cotton.

ness of the market. Flour quotations, Sept. 17, basis cotton 98's: spring wheat, short patent, \$4.60\overline{0}. 4.70 hbl, 95 per cent \$4.25\overline{0}.445, 100 per cent \$4.10\overline{0}.30, cut \$3.95\overline{0}.415; hard

Horse Grist Mill in New Fort Dearborn

By F. L. Clark

THE first building of Chicago's Century of Progress International Extury of Progress International Exposition to be completed is Fort Dearborn, a faithful reproduction of the pioneer fort. Through the log gate leading into the stockaded inclosure 150,000 visitors passed this summer between the day in May when it was opened to the public and the first of September.

An interesting exhibit, in a corner of the log stockade near the rock powder house, is a 100-year-old horse grist mill. Such a grist mill was operated just outside of the fort in the early part of the nineteenth century. It was lost on the fatal day when the garrison was massared by Indians and the fort destroyed.

But the mill now to be seen in the replica of the fort is helieved to be just like the original. It was found by the

replice of the fort is neitered to the just like the original. It was found by the historical society in an out of the way place in Indiana, and brought to Chicago and set up in the new fort beside Lake Michigan.



winter short patent, \$3.60, 95 per cent \$3.35, 100 per cent \$3.20, cut \$2.95, first clear \$2.65, second clear \$2.40; soft winter, short patent, \$3.90, 95 per cent \$3.40, 100 per cent \$3.15, cut \$2.90, first clear \$2.60, second clear \$2.30.

Semolina is in fair demand, although macaroni manufacturers are loath to take hold at the present price basis and are using up as much of their old stock as possible before entering the market. However, some buyers have allowed their stocks to become virtually depleted and are being forced into the market. Most purchases, however, are on an immediate

are being forced into the market. Most purchases, however, are on an immediate delivery basis. No. 2 semolina was quoted at \$5.10 bbl.

A slight falling off in the demand from foreign buyers was noted in the total volume of flour shipped through New Orleans last week. During the seven days ended Sept. 17 a total of 19.819 bags of flour of 200 lbs each left this port, of which Latin America took 19.76 and Europe 543 as follows: Hanburg, 214; Antwerp 212, and Rotterdam 117. Wheat shipments for the week were negligible negligible

Quiet Demand at Memphis

Quiet Demand at Memphis
MEMPHIS, TENN.—With inclination on
the part of most mills to slightly elevate
their quotations early in the week came
some improvement in huyers' interest in
flour, although it did not result in much
huying. Quotations were raised 106-20c
bil as a result of the firmer cash wheat
market, although later reactionary trend
in the option market helped to put a
damper on huying inclination. Continued
decline in cotton prices likewise discouraged huying. There seems no feaof prices getting up much from prevailing levels, although expressions still
indicate that the trade believes they
have seen their lowest.
Flour quotations, Sept. 19, basis 98's.

have seen their lowest. Flour quotations, Sept. 19, basis 98's, f.o.b., car lots, Memphis, spring wheat short patent \$4.8565 bil; standard patent \$4.06 4.50; hard winter short patent \$4.656 4.15; standard patent \$3.656 4.15; standard patent \$3.356. 4.50; standard patent \$3,356, 4.50; standard patent \$3,956, 4.50; standard patent \$3,356,3,85; western soft patent \$3,756,3,90; blended 95 cent patent \$3.35; low proteins, \$3.20

ASIAS STATE BREAD INVESTIGATION

Wichitza, Kassas.—The attorney general of Kansas has been asked to investigate hakery practices in the state. In one small town where there is no bakery it is claimed one large baking company is selling 12-oz loaves for 5c. In another is sering 12-20 loaves for 30. In another town of the same county where there is a small local bakery it is charged that the company in question is selling 16-02 loaves for 5c. Action under the anti-discrimination law of the state is asked.

FORMER ALUALFA MILLER DEAD

OKIAHOMA CITY, OKIA,—John I. Abernathy, prominent wholesale grocer of Purcell, Okla, and former head of Masson Mills, Inc., Pauls Valley, Okla, manufacturers of alfalfa products, was killed recently by gunshot wounds, believed to hear house sections. have been recidental.

HORVITZ BAKERY DAMAGED

New York, N. Y.—The plant of the
Horvitz Baking Corporation, 1328 Prospect Avenue, Bronx, was severely damaged by fire Sept. 12, from an unknown

NOTES on the TRADE

E. J. Thomas, of the Capital Flour Mills Co., St. Paul, Minn., was a St. Louis visitor last week.

Cohen E. Williams, of Cohen E. Williams & Son, Nashville, Tenn., thour brokers, was a St. Louis visitor last

A. D. Morris, formerly in business in Texas, has joined the sales force of the Valier & Spies Milling Corporation, St.

Daniel S. Mullally, secretary of the Langenberg Bros. Grain Co., St. Louis, was in a serious motor accident last week when the car which he was driving, ac-

companied by Mrs. Mullally, ran into a bridge by the roadside.

O. Rossing, Jr., of the Bewley Mills, Fort Worth, Texas, as a reconvisitor in New Orleans, calling on P. I. Thom-

W. K. Stanard, president of the Stanard Tilton Milling Co., St. Louis has left for Coronado Beach, Cal., or

Morris A. Wilkins, of the Kansus Mill. A Elevator Co., Arkansas City, K., was on the floor of the Merchants' Ex-change of St. Louis one day last week.

SHIPMENTS OF MEAL SMALL DURING AUGUST

Report of the Bureau of the Census Shows Consumptive Movement of 72,139 Tons—Stocks Large

Shipments of cottonseed meal into do-

Consumptive Movement of 72,139

Tons—Stocks Large

Shipments of cottonseed meal into domestic channels during August totaled 72,139 tons, compared with 88,337 a year ago and the five-year average of 81,363, according to the Bureau of the Census. This is the first month of the 1931-32 season. Production during the month amounted to only 28,206 tons, compared with 76,058 a year ago.

Stocks of meal on hand at mills were 106,358 tons, compared with 43,073 a year ago and the five-year average of 49,473. This heavy stock of meal is off-set by the small amount of uncrushed seed on hand at mills, the total being 60,241 tons, compared with 216,166 a year ago. Calculating the uncrushed seed as meal, the total available supply of meal in sight, Aug. 31, was 133,466, compared with 140,347 a year ago.

Commenting on the report, the Marianna Sales Co. Says: "These figures should impress us with the lateness of the movement of the cotton crop. Seed receipts since Aug. I are the smallest on record in recent years, and the size of uncrushed stocks fully offsets the excessive amount of cake and meal on hand. Present low values, no doubt, discount much of the hearishness which is caused by the general business depression, the abundance of feedstuffs and the unusually large crop which is forecast by the government. There will naturally he considerable resistance on the part of the farmers to the sale of cottonseed at figures which do not pay the cost of ginning cotton. This will prohably add to the slow movement, but will likely prove only temporary, for all other farm products are selling on comparably low, or lower, levels. Artificial effort to overcome the natural laws of supply and demand will probably prove ineffective."

W. F. WALLTER FORMS NEW FIRM
St. Lovis, Mose-The Walter Sales, Co.

W. F. WALTER FORMS NEW TIRM

W. F. WALFER FORMS NEW FIRM Sr. Louis, Mo. The Walter Sales Co., with offices in the Merchants' Exchange Building here, has recently been formed to take over the midwestern distribution of Barnes Emulsion, a poultry tonic and vermifuge, and Purity Disinfectant, a germicide and deodorant used in the multry and dairy industria. The few

wermituge, and Purity Disinfrectant, a germicide and deodorant used in the poultry and dairy industries. The former product has been well established among poultrymen for some years and has good distribution in the Middle West and Pacific Coast.

The owner of the new company is W. F. Walter, who has been connected with the milling and feed industry in St. Louis for 20 years, the last 15 baving been spent as secretary of the Dreyer Commission Co., well-known feed brokers in St. Louis. The Dreyer company for some years has hundled the account of the Barnes Emulsion Co., but the increase in the volume of millfeed which it is now handling has made necessary the formation of a separate company to handle Barnes Emulsion and Purity Dishandle Barnes Emulsion and Purity Dis-

Mr. Walter, in addition to owning the Mr. Walter, in addition to owning the new company, will be active in its man-agement. He has resigned from the Drever company to devote all of his time to the new venture.

CHY ASKS BRITAD REDUCTION

OSEAMORA CITY, ORLA, The city of Port Arthur, Tex 5, has asked hakeries to lower bread prices in view of the current depression. In making the request, the city's rights to regulate public utilities within its limits sustained by statices within its limits sustained by statices. of gas companies, the electric company

BARLEY RETURNED TO MILWAUKEE

BATTIMOR, Mn. The motor ship De-troiter loaded 48,622 has of barley from the export elevator of the Baltimore & Ohio Railroad here last week for ship-ored to Milwaukee. This is the first cargo of grain ever shipped from Balti-more to the Great Lakes. The barley was part of a consignment of 100,000 hus which, nearly two years ago, was shipped from Milwaukes to this roat. from Milwaukee to this port

CHICAGO · DISTRICT

SIGURD O. WERNER, CHICAGO MANAGER

166 W. Jackson Boulevard, Chicago, Ill.

Cable Address "Palmking"

Correspondent at Milwaukee

Hard Winters Most Active at Chicago

Hard Winters Most

Hard Winters were the most active in the Chicago market last week. There was no real heavy buying, but a fair number of sales were made. Other varieties were slow. Springs and soft winters moved only in smaller amounts, and dealers and agents experienced a quiet week. Buyers claim there is nothing to cause them to enter the market in a hig way at the present time. All kinds of prices are still being quoted by some mills, and this is not helping matters any.

Spring Wheat Flour.—Demand for springs was rather quiet last week. Locally only single cars were taken. Although these were quite numerous, the total amount of business done was disappointing to distributors. Buyers are not inclined to jump into the market at present, but order just enough flour to fill their immediate needs. Some rather large orders were placed in the East by local mills, for shipment 90 to 120 days. Hard Winter Flour.—Southwestern brands were in improved demand last week. Quite a few sales were made ranging from 1,000 up to 2,500 bbls. and a larger number of one and two car lots. The trade began to show more interest the week before last, and this developed into some sizable business. Considerable business is now on the books, and reports are that shipping directions are coming in.

Soft Winter Flour.—Demand for soft winters slowed up again last week. Buyers in the main were out of the market, and others took on only immediate requirements. There was one sale of 2,000 bbls to a cracker baker and one of 1,000 bbls to a pobber, but aside from this business was of a routine character. Shipping directions were fair.

Duram.—There was a little business in semolinas last week, the first for some weeks. A few sales of 1,000 and 2,000 bbls were made, and several smaller orders were secured. The market was not active however. Quotations, Sept. 19: No. 1 semolina, 84.956.5.20 bbl, sacks.

Flour Priers.—Nominal quotations, car lots, hasis Chicago, patents in cotton 96's and clears in jutes, Sept. 19: spring top patent \$4.106. do,

FLOUR OUTPUT

Output of Chicago mills, as reported to

The Northwestern Miller:	Output	Pct. of
	hhls	activity
Sept. 13-19	35,582	89
Previous week	30,245	81
Year ago	33,554	54
Two years ago	43 154	10%

Milwaukee Buyers' Ideas Too Low

Milwaukee Buyers' Ideas Too Low Milwaukee, Wis.—There still is too much difference in the opinion of buyers and millers regarding flour prices to stimulate any real business. Buyers are beginning to realize that prices are just about as low as possible. The past week beginning to realize that prices are just about as low as possible. The past week brought increases in northwestern offer-ings amounting to as high as 20c. Local huyers are trying to purchase flour at the old low prices, which they ignored a few weeks ago. Small lot buying con-tinues to fill the urgent requirements.

tinues to fill the urgent requirements. Shipping directions are fair, with old bookings practically all cleaned up.

Quotations, Sept. 19, basis Milwaukee, patents in cotton 98's and clears in jutes: spring top patents \$16 1.90, standard patents \$2.756.1.25, first clear \$3.356, 3.75, second clear \$2.106 3.20; fancy pasents are accounted to the control of the contr try flour, new crop, 95 per cent standard

Village of the property of the contractions

patent \$3.40; fancy pastry flour, in 100lb packages \$4.10, in barrels \$6.50.
Increases in southwestern quotations
as high as 25c were reported by local
flour houses. Buyers are now sorry that
they failed to purchase when prices were
low, and are trying their best to buy now
at previous low prices. Mills are unable
to meet the prices offered by the buyers. Small lot buying continues, this
hand-to-mouth policy just filling the immediate requirements of the buyers.
Shipping directions are only fair, with
old bookings just about cleaned up.
Quotations, Sept. 19, basis Milwaukee,
patents in cotton 98's and clears in jutes:
short patents \$3.50@.3.65, standard patents \$3.25@.3.45, first clear \$2.65@.2.90,
second clear \$2.20@.2.35. The current
range between northwestern and southwestern offerings has become 50c@\$1.25,
compared with a range of 70c@\$1.30 for
the previous week.

There is no change in general condi-

the previous week.

There is no change in general conditions in semolina, although prices advanced about 25c. Quotations, Sept. 19, at Milwaukee; No. 1 85.25, special durum \$5, No. 3 \$4.85, durum patent \$5, macaroni flour \$4.65. Prices are for 140-lb jutes, with 15c less for bulk.

BULLETIN ON FLOUR MAKING

At the eighth annual meeting of the American Society of Bakery Engineers, held in Chicago on March 16, there was a joint session with the American Asso-ciation of Cereal Chemists. Four promi-nent members of that organization took part in a program devoted exclusively to flour.

to flour.

Bulletin No. 61 of the society, which has just been released, contains three of the four talks which were made on this subject. The first is "Wheat Selection," by L. H. McLaren, Shellaharger Mills, Salina, Kansas; the second, "Preparation for Milling," by Leslie R. Olsen, International Milling Co., Minneapolis, and the third by M. A. Gray, Pillsbury Flour Mills Co., Minneapolis, on "Mill Control."

Control."

These three talks and an illustration

showing the structure of the wheat grain make up the text of the bulletin, copies of which are available on request to the secretary, Victor E. Marx, 1541 Birchsecretary, Victor E. I wood Avenue, Chicago.

NEBRASKA EDITOR TAKEN TO TASK FOR SLUR ON MILLERS

J. N. Campbell, secretary of the Nebraska Millers' Association, has taken to task the editor of the Nebraska State Journal, who commented as follows in his

Journal, who commented as follows in his editorial columns:

"The protest of the millers' federation against the exchange of wheat for coffee is not taken in good grace. The millers were not inclined to buy grain at a price favorable to the farmers, so the farm board had to trade it wherever it could get anything out of its holdings."

Mr. Campbell, in his protest to the editor, pointed out that the exchange re-



C. A. Bunnell

sulted in a loss of about 800,000 bbls of export flour trade, with a consequent effect on labor and related industries. He further declared that the farm board would realize less than 20c bu on the transaction, and the slur cast on millers' wheat buying methods was untruthful, since market reports show that millers are paying 4-66c bu premium over the regular market price for good milling wheat, and that mills seldom pay less than 2c premium and frequently pay 106-12c premium. 12c premium.

C. A. BUNNELL RE-ELECTED BY CHICAGO FLOUR CLUB

CHICAGO FLOOR CEUB manager for the Pillsbury Flour Mill Co., was re-elected president of the Chicago Flour Club at its annual meeting on the evening of Sept. 17 at the Bismarck Hotel. John Reget was again made vice president and S. O. Werner, of The Northwesters Miller, secretary-treasurer. John W. Eckhart, of John W. Eckhart, of John W. Eckhart & Co., and Ernest Dahl were elected directors for two-year terms. venr terms.

year terms.

The nominating committee, consisting of V. J. Petersen, F. T. Herhert and N. G. Anderson, in addition to submitting a slate of candidates for the various offices, proposed a resolution providing for a representative of the club's associate members on the board of directors, in an advisory capacity. The Chicago Flour Club has had a number of allied concerns on its roster for a number of years, and the suggestion that this group he given some voice was unanimously adopted. George S. Chesbro, of the Newsone Feed Co., is the first member to serve one year. one year.

one year.

Since the last meeting of the Chicago Flour Club, it has lost one of its most valued members, John Armbruster, of Hahel, Armbruster & Larsen Co. President Bunnell asked those present to stand in silent meditation and pay tribute to the deceased member. A committee was also appointed to draw up a resolution, copies of which are to be sent to Mr. Armbruster's family and the company with which he was connected for many years.

the company with which he was connected for many years.

F. T. Herbert, V. J. Petersen and S. O. Werner gave a complete report of the convention of the National Federated Flour Clubs, held last June at Philadelphia, and a letter was read from John W. Eckhart, another delegate, who was unable to be present.

W. Eckhart, another delegate, who was unable to be present.

Charles A. Ward, Chicago representative for the Eagle Roller Mill Co., New Ulm, was elected an active member. A W. Fosdyke, president, and C. S. Jacobsen, vice president, of the Bakers' Courtesy Club, Chicago, were present and could be a completely and the courter of the second present and could be a completely as a completely control of the courter of the courte sen, vice president, of the Bakers' Courtesy Club. Chicago, were present and spoke briefly. Mr. Fosdyke described his organization and its activities at the bakers' convention, to be held in Chicago Sept. 21-24. Mr. Jacobsen recently became an associate member of the Chicago Flour Club. H. T. Corson, executive director of the National Food Bureau, was also in attendance and spoke briefly on his organization's recent activities.

A rising vote of thanks was extended the officers for their splendid work dur-ing the past year. Under the direction of President Bunnell, the Chicago Flour Club has been unusually active, and it has been one of the best years in the history of the organization.

BREVITIES in the 閣臣WS

L. A. Harrington, of the South Rock-wood (Mich.) Roller Mills, was in Chicago last week.

C. W. Dilworth, millers' agent of Chicago, spent a few days calling on the trade in Milwaukee.

W. S. Johnson, of W. S. Johnson & Co., flour broker, Chicago, left Sept. 18 for a week's motor trip to Buffalo, N. Y.

C. R. McClave, of the Montana Flour Mills Co., Great Falls, was in Chicago, Sept. 10, returning from a two weeks' eastern trip.

Edgar H. Evans, president of the Acme-Evans Co., Indianapolis, and chair-man of the board of the Millers' National Federation, was in Chicago last week.

H. P. Hoyt, president of the Atlas Milling Co., Clinton, Mich., stopped off in Chicago, Sept. 17, returning from Dehnfield, Wis., where he placed his youngest son in St. John's Military Academy.

Miss Cornelia Cowan, of William Cowan & Co., Chicago, has been confined to

home a few weeks due to illness. She is now well on the way to recovery and will be back to her office in the near future.

Carl Sims, of the Sims Milling Co., Frankfort, Ind., was in Chicago last week, en route home from Omaha, Neb., where he attended the postmasters' con-vention. Mr. Sims is postmaster of Frankfort, Ind.

The Miami American Legion drum and bugle corps was the guest of the Chicago Board of Trade last week. They were met at the Union Station by the Board of Trade Legion post and after a break-fast in the building, spent the morning in an inspection of the building. At the close of the session they performed in the exchange hall.

Sixteen employees of the Wisconsin grain and warehouse commission, at Superior, Wis., will be dropped from the pay roll Sept. 30, according to present plans of W. R. McCabe, chairman. This has been brought about by the lack of grain movement to Superior. In a fur-ther effort to operate within the budget, the remainder of the staff will be placed on a five-day week.

ITALIAN TRANSIT FREIGHT CUT

PTABLAN TRANSIT FIRIBIIT CUT
WASHINGTON, D. C.—If the Italian
state railways administration abides by
a recent ministerial decree, all full corload shipments of rye and rye flour entering Italy by sea and destined for
abroad will enjoy a 25 per cent cut in
freight rates while traveling over Italian
territory, the Department of Commerce
has been informed. One section of the
decree provides a 35 per cent cut for
shipments destined to certain northern
stations.

FORMER KERN SALESMAN DIAD

MILWAUKEE, WIS.—John G. Soley, 81, formerly a salesman for the J. B. Kern Milling Co., died Sept. 18 at his home in Milwaukee. He was an invalid two years. Mr. Soley was a native of Wales and resident of Milwaukee since 1875. He was connected with the Kern company, now out of business, for 25 years. He leaves one son, Sidney.

NATIONAL BAKING REPORT

New York, N. Y.—The National Bal., ing Co. has reported net income for the year ended June 30 of \$161,873, after depreciation and federal taxes, to be com-pared with \$203,266 in the preceding fis.

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EUROPEAN · DEPARTMENT

C. F. G. RAIKES, EUROPEAN MANAGER

59 Mark Lane, London, E. C. 3, England

Correspondents in Amsterdam, Belfast, Budapest, Copenhagen, Glasgow, Hamburg, Liverpool and Oslo Cable and Telegraphic Address: "Millefiori" NOTE AND THE PROPERTY OF THE P

POTATOES NOW ADDED TO GERMAN FLOUR MIX

Government Requires Compulsory Admix-ture of 5 Per Cent Potato Flour When Bukers Full to Adulterate

Hakers Fail to Adulterate
Hamura, Gramany.—The German
food minister, Martin Schiele, has announced a compulsory admixture of potato flour with wheat flour. According
to the Berliner Tageblatt the admixture
will amount to 5 per cent. This regulation has been enforced because bakers
have made very little use of the voluntary admixture of 10 per cent of potato
flour allowed under the rules of the German bread law.

The admixture of potato flour will take

flour allowed under the rules of the German bread law.

The admixture of potato flour will take place in the mills, but a decision in regard to the probibition of the sale of pure wheat flour has not yet been taken. Probably the government will confine itself to fixing a certain price differential between flour mixed and unmixed with potato flour. Whether this admixture of potato flour will lead to a reduction in the price of bread still is unknown.

It is expected that the consumption of potato flour will increase by 500,000 ton footato flour will increase by 500,000 ton is estimated at 47,000,000 tons, of which 20,000,000 tons are result of this regulation. The whole potato flour production is estimated at 47,000,000 tons, of which 20,000,000 tons are intended for feeding purposes. It is hoped that the new regulation will enable the potato mills to run at full capacity. Up to now the private mills have used only 30 per cent of their capacity, and the co-operative mills 70 per cent. The latter, thereby, have accumulated large stocks, which for the most part are heavily mortgaged.

BELGIAN FLOUR IMPORTS FALLEN TO SMALL VOLUME

FALLEN TO SMALL VOLUME

London, Eng.—G. C. Robyns & Co., of Antwerp, flour importers, report that imports of American flour into Belgium at present are ridiculously small. Import licenses must be obtained, and they reckon that the applications for these import licenses only cover between 50 and 60 tons per month.

On Sept. 2, two parcels of Pacific Coast patent flour, each consisting of 30 tons, were sold by auction in Antwerp. This flour, shipped after the new regulations came into force, was refused by the original buyers and has been stored in bonded warehouses by the steamship agents. As no import licenses for the flour were obtainable, there was practically no interest in the sale, and the flour was finally disposed of at the equivalent of \$1.50 per 100 kilos, while charges and warehousing amounted to 30c per 100 kilos. It is understood that there are some further parcels of Pacific Coast patent flour affoat to Antwerp, the buyers of which will likewise refuse to take up the documents, so another forced sale is expected. up the documents, so another forced sale

np the documents, so another forcet sale is expected.

Belgian "00" flour—which is a flour of 68 to 72 per cent extraction—is being sold at about \$2.80@2.90 per 100 kilos, delivered, but some of the smaller mills are said to be offering at \$2.70, delivered. Bread is selling at equal to 4.3c

ered. Bread is selling at equal to 4.3c per 1 kilo loaf.
Since Aug. 24, Belgian mills have been allowed to use 100 per cent foreign wheat. It is said that there is no homegrown wheat left, and that the new wheat is not yet fit for milling. Under these circumstances, of course, the quota system could not be maintained, but, unfortunately, the restrictions on the im-

port of flour which came into force at the time the quota system was introduced, have not been withdrawn. The idea of the government was to make the use of 15 per cent native wheat compulsory when the new crop became available, but the bad weather has retarded the crop and, moreover, strong opposition has sprung up against the protection of wheat farmers, so it seems possible that the question will have to be finally settled by parliament, which will not reassemble before Nov. 17.

NOTHING NEW UNDER THE SUN

Ansterdam, Hollard. Pring the World War there were reports from Germany that edible bread was being made from sawdust, which was considered a startling innovation. However, it now appears that the invention is an old now appears that the invention is an old one. A leading Amsterdam newspaper cites a piece from its columns of August, 1831, which quotes a medical paper to the effect that bread had been baked from wood by cooking the wood until all substances soluble in water had been eliminated. The wood then had been reduced to sawdust and repeatedly heated, after which is had been ground as finely as possible. The color of the resulting bread was yellowish, but a nutritive loaf was baked.

FOREIGN CONFIDENCE SHOWN IN BRITISH ARBITRATION

LONDON, ENG.—The London Corn Circular of Aug. 31 refers to the respect in which London corn trade arbitrators are held abroad. Big transactions between merchants of different foreign nationalimerchants of different foreign nationalities are made on London Corn Trade Association contract forms, testifying that both parties have not only put their faith in the contract, but also in the case of claim or dispute, in the fairness of the decisions of the London arbitrators and the appeal committee. The London court of arbitration is constantly receiving inquiries from all parts of the world for information as to the law and practice of commercial arbitration in Great Britain.

The writer relates a most important

The writer relates a most important development which occurred last year when the London Chamber of Commerce, jointly with the court of the New York Chamber of Commerce, intervened as amic curior before the court of appeals of the state of New York on the appeal to that court to enforce the award given in London in the case of a London buyer against a New York seller. The contract had provided that all differences arising

against a New York seller. The contract had provided that all differences arising hetween the parties should be arbitrated in London pursuant to the provisions of the arbitration law of Great Britain. Following the award an action was brought in the English courts upon it, and judgment given in the buyer's favor. The enforcement of this judgment was resisted by the New York from and two tribunals in New York upheld the objection on a technicality.

The joint position of the London and New York chambers, with the London court of arbitration, emphasized the point that, if the United States courts were not prepared to enforce arbitration awards given in the circumstances of this case, it would result in the disappearance of arbitration clauses from all American contracts with over-sea business houses. Early this year the court learned that this joint intervention had been successful, and that the award given in London had been upheld. in London had been upheld.

GERMAN BANK IN EGYPT REOPENED

GERMAN BANK IN EGYPT REOPENED LONDON, ENG.—The Egyptian branches of the Deutsche Orient Bank, which were closed during the German financial crisis last August, have been reopened under the name of the Dresdner Bank. At a general meeting of the shareholders of the Dresdner Bank it was agreed to increase the capital stock from 100,000,000 marks to 400,000,000. This action was necessary owing to the action of the German government in taking 300,000,000 marks in new preferred stock, in order to pravide the bank with ample funds. Capitalization of the Dresdner Bank now surpasses that of the combined Deutsche Bank and Disconto Gesellschaft, which previously led the field with 285,000,000 marks.

CROP DAMAGE IN GERMANY

CHOP DAMAGE IN GERMANY
LONDON, ENG.—It is reported from
Berlin that the recent heavy rainfall has
partially spoiled the wheat harvest in
southwest Germany. It has been possible to gather in only a small portion of
the ripe grain. The Chamber of Agriculture in Wiesbaden reports that the
damage already done to the wheat, rye,
oat and barley crops amounts to about
\$4,000,000. In many districts farmers
have been compelled to appeal for a postponement of the payment of their taxes
and for assistance to enable them to
huy seed for autumn sowing. buy seed for autumn sowing

Measuring Wheat in a Granary in Jerusalem

JUGOSLAVIAN FIXED WHEAT PRICE RESULTS IN TROUBLE

All is not well with the Jugoslavian plan for maintaining domestic prices above world levels through the establishment of a government export monopoly, the difference to be paid for by the taxpayer and consumer. The Corn Trade News, of Liverpool, reports that the Jugoslavian exportable surplus this year amounts to about 28,000,000 bus.

The farmers were guaranteed a fixed

Jugoslavian exportable surplus this year amounts to about 25c bu, and naturally they hastened to sell their wheat as rapidly as possible. Soon, managers of the government monopoly had chartered all the river craft and every suitable warehouse, and still the wheat kept pouring in from farms. The greatest part of the wheat still remains unsold, and much of it has been shipped up the Danube to Vienna, Komarno and Bratislavia, where it has been shored on land, because the larges were needed for repeat voyages.

Prices have dropped heavily, and the government now is getting only about 27c bu for the wheat for which it paid 75c to farmers. Financial difficulties have arisen and payments to farmers are no longer possible. So the government las instructed state officials throughout the country to tell farmers that they should not continue selling their wheat at 75c bu, as prices are due to rise and that the government then will pay about 81.

DUTCH BAKERS FORCED TO PURCHASE MORE MIXED FLOUR

AMSTERIAM, HOLLAND, The Dutch wheat law commissioner, S. L. Louwes, has prescribed that Dutch bakers having has prescribed that Dutch bakers having unmixed flour in store Sept. I must buy a quantity of mixed flour equal to at least 25 per cent of their unmixed stock. The mixed flour will cost Seo S.40 per 100 kilos. It is reported that the commissioner has taken this action without consulting the advisory committee, on which there are three bakery representations.

Russian grain has been arriving at Rotsterdam recently, but it is the opinion of the trade that the Russians will not find Holland a very satisfactory market this year, due to the heavy supplies of native wheat, the sale of which, notwithstanding the compulsory milling regulations, is difficult. Neither do the other western European grain markets offer very favorable selling apportunities for Russian wheat, especially as Rommanian wheat, helped by export hounties, is being offered on all markets at very low prices. Russian grain has been arriving prices

The Rotlerdam trade believes that Russia will not hold the unsold wheat for very long, as the accumulated storage charges would be out of proportion to the value of the grain. The parcels in question are not only stored in warehouses but also in Rhine vessels lying idle in the port of Rotlerdam. It is expected that within a few weeks this Russian wheat will be sold at practically any price. any price.

London Plour Arrivals

France	ASSESTED.	Asset III.	ANG. TN.
"noted States-	19:1	1951	1924
Atlanta	2,921	6.61%	4.375
Pauliti	259		
Cattella Atlantic	3,175	6.275	10/720
Australia			
Argentina	4,500	1,599	2,550
Continent	4.351	774	2,150
Paradiantes.		46.00	9.694

EASTERN · STATES

WAYNE G. MARTIN, JR., EASTERN MANAGER

25 Beaver Street, New York, N. Y.

Correspondents at Baltimore, Boston, Buffalo, Philadelphia and Pittsburgh Cable Address: "Palmking"

The state of the s

Some Improvement in New York Sales

PLOUR sales in New York last week were graduated from "quiet" to "pretty good," but the stronger em-phasis was on the quiet end of the de-scription. Buyers' needs have by no scription. Buyers' needs have by no means been covered far into the future, the readjusting of price ideas that always follows a rising market has kept them from viewing with favor any vol-ume purchasing at current levels, and although they are willing to buy freely at the prices of a week or two ago, such figures are beyond the scope of mills' financial capabilities.

financial capabilities.

Small Bakers Cover Only Current Needs.—Thus far, large and mediumsized hakers have been the only hig buyers for forward shipment. Jobbers who sell the smaller trade still have cheap stuff to peddle, and, until it is out of the market, they cannot see the higher levels. Where they show an interest in three or four months' shipment, it is at prices too low for millers to meet. Invariably the sales closed were either at decidedly low figures, or else were of a particularly desired brand. Mills of all sizes shared in this business, some of the largest reporting selling southwesterns at 15% 25s below the general range, while some country mills who occasionally ship a ear or so into New York, were also able to quote below general levels.

Springs High.—Local brokers, whose

Springs High.-Local brokers, whose connections covered the various milling springs Thym.—Local prokers, whose connections covered the various milling sections or mills whose units are diversely located, have been the ones best able to close sales because of the handicap under which northwestern mills seem to be operating. While spring wheat high glutens must be held between \$4.50 and \$5. Texas mills offered \$1 below this, with the result that some buyers who have shied away from these southwestern flours in the past were willing to place a trial order to see what satisfaction could be had. Kansas flours have not yet felt the reaction of the smaller trade, and on the whole have not been purchased to any great extent in place of the more expensive northwestern flours. The big bakers, as has been their custom for many years, bought hundreds of thousands of barrels earlier in the crop year, their normal mixture requircrup year, their normal mixture requir-ing a large proportion of these flours, but 1,000@5,000 bbls still made up an interesting order for the average southwestern mill representative.

Macaroni Men Attracted.—With semo-na quoted at \$5.40@5.60 and selling lina quoted at \$5.40@5.60 and selling slightly under this, macaroni men were attracted by the better Kansas flours than for some of the others which cartant for some of the others which carried no claims of gluten content, but even at those prices this trade was mod-erately interested.

Pacific Coast Flours Lower.-High glutens from the west coast, which have elutens from the west coast, which have for many weeks past been quoted about 10@25e above other spring wheat flours of this type, were reduced last week so that they were well in line, although the sales resulting therefrom were not of large volume. The reduction also ex-tended to soft winter wheat grades, but many Pennsylvanias were still below those from the larger mills, keeping sales small. small.

Quotations .- Flour prices, Sept. 18, all Quotations.—Flour prices, Sept. 18, all in jutes: spring fancy patents and high glutens \$4.60@5, standard patents \$4.25 & 4.50, clears \$3.95@4.25; hard winter short patents \$4.60@5.25, 95's \$4.30@4.75; Texas high glutens \$3.70@3.95, standard patents \$3.30@3.50; soft winter straights \$2.75@3.45. Philadelphia Trade Dull

Philadelphia Trade Dull
Philadelphia Trade in flour last
week was dull and unsettled, influenced
by the weakness of wheat. Local jobbers and bakers lacked confidence, and
were inclined to hold off and await a
more settled market. What business was
placed was mostly in small lots for immediate requirements. There was practically nothing doing for export, bids
generally being below a workable basis.
Semolinas sold slowly, with business altogether in small lots, as macaroni manufacturers were replenishing stocks only
as necessary to cover current needs. Quothe trers were repensing stocks only as necessary to cover current needs. Quotations, Sept. 19: spring wheat short patent \$4.50@4.90 bbl, standard patent \$4.25 @4.50, first clear \$3.85@4.25; hard winter short patent \$8.60@3.95, 95 per cent \$3.40@3.60; soft winter straight, \$3.20@ 3.35; semolina, No. 1 durum, \$5.25@5.50.

Interest Some Better at Buffulo

Interest Some Better at Buffulo
BUFFALO, N. Y.—The attitude of a
good many buyers seems to be that of
sitting back and waiting for developments. The stiffening of prices evoked
some interest, but the rise was not sufficient to bring about a stronger demand,
expressing itself in large orders. The
big buyer seems to have pretty well covered his requirements by previous purchases in fairly large lots, and the smaller purchaser continues a hand-to-mouth
policy.

There is a belief that better prices, if sustained long enough, will greatly stimulate demand. Prices of flour have been so low for so many months that there

was no particular object in placing or-ders, as it was felt that the bottom had not yet been reached. A gradually ris-ing level of prices will, it is believed, bring many into the market with good-sized orders.

sized orders.

The apparent strength in wheat has helped much in improving feeling. Conditions among the bakers have improved a great deal in recent weeks. Exports have been curtailed due to credit conditions in some foreign countries and to embargoes in others.

Quotations, Sept. 18, in 98-lb cattons: spring short patent family, \$5 bbl; spring fancy patent \$4.75@5.10, standard patent \$4.50@4.75, first clear \$3.80@4.15; hard winter standard, \$3.5@4.65; soft winter straights, \$3; pastry, \$3.50@3.75; semolina in cottons, f.o.b., car lots, Buffalo, No. 1 \$5.60@5.65; No. 3, \$5.10@5.15.

FLOUR OUTPUT

Output of Buffalo mills, as reported to

The Northwestern	Williet:		
	Weekly	Flour	Pct.
	bbls	bbls	tivity
Sept. 13-19	273,000	197,601	12
Previous week	273,000	192,681	71
Year ago	273,000	254,185	93
Two years ago	255,500	236,282	86
Three years ago.	255,500	219,662	86
Four years ago	238,000	247,146	98
	Y		

Boston Business Spotty
Boston, Mass.—Business in flour in
New England continues rather spotty.
Some houses have had a fair trade and
others report business very slow. No
one, apparently, has done any large volume of business. There seems to be a
somewhat better tone in the market and
the tendency of prices to advance here

somewhat better tone in the market and the tendency of prices to advance has induced more of a buying disposition.

Demand for spring wheat flours has been moderate. Buying has been for near-by needs. Buyers have convinced themselves that there is little need to anticipate requirements very far in advance. It is difficult to convince buyers that they might depart, with profit, from the policy of hand-to-mouth buying. Sales of spring wheat short patents are being made mostly around \$4.75@5, with some business still being done as low as \$4.50 and some sellers asking as high as \$5.25. Specials are quoted up to \$5.50. Standard patents are quoted around \$4.50, with some sellers wanting \$4.90

for high grade flour. On the other hand, some business in a blended flour is possible as low as \$4.25.

Southwestern flours are moving fairly well, and some contracts have been made through to next July, although the bulk of the business does not go beyond the first quarter of 1932. For short patents \$4 is a common quotation, with some business done 560 floe higher. The hulk of the business is being done in the range of \$3.75@4. Standard patents have been sold rather freely at \$3.50%.

3.75, with some choice flour quoted still to \$3.95. A little is procurable still, on lower protein content, as low as \$3.40.

Soft winter patents have been in light request, with sales reported around \$3.50.

(3.75 for fairly good flour. Some Michigan flour has been sold at \$3.55. Choice flours are quoted at \$4 or slightly higher. Straights are selling in the range of \$3.25@3.40, while clears are usually quoted around \$3.20@3.30. Clears in all descriptions are relatively scarce.

Pittsburgh Sales Improve

Pittsburgh Sales Improve

Pittsburgh Sales Improve
Pittsburgh Pa.—Improved sales of four were reported in the Pittsburgh district last week. Prices were slightly higher and had the effect of attracting buyers, most of whom wished to contract for 30- to 60-day shipment. There were no large lots bought, the general tendency being to care for current needs.

There was considerable activity in hookings of hard winter flour, due to the rather low and attractive prices that were prevalent. Demand for springs was fair and was handicapped by the higher quotations. The warm weather of the week had a deterent effect on the baking business, with the result that many of the larger bakers and house-to-house dealers reported a decided drop in sales. Soft winter flour sales continued light, Soft winter flour sales continued light, in the face of new low prices. Larger consumers are well stocked. Clears were in brisk demand, with prices holding firm. Semolina was quoted at \$5.65 bbl. in 140-lb. jutes. Pittsburgh.

Quotations, Sept. 19: spring short pat-nt \$4.50@5.25 bbl, standard patent \$4.25 @4.75; hard winter short patent \$3.50@1. standard patent \$3@3.50, low protein standard patent \$2.75@3.25; clears \$3.75 @ 4.25; soft winters \$2.40@2.75, bulk

Bultimore Market Slow

Baltimore Market Slow
Baltimore, Mn.—Buying is very slow, with purchasers holding off. Quotations, Sept. 19, in 98-lb cottons: spring first patent \$1.35@4.65 bbl, standard patent \$4.425; hard winter short patent \$1.45 a.3.70, 95 per cent patent \$3.15@3.35; soft winter short patent \$3.25@3.50, straight \$2.45@2.65.

CHAIN STORE OWNER DEAD

CHAIN STORE OWNER DEAD

New York, N. Y.—Henry C. Boback,
founder and president of H. C. Boback,
Inc., one of the large grocery chains in
New York and vicinity, died recently in
his sleep at his home in Kew Gardens,
L. I. Mr. Bolack was born in Germany
in 1865, and opened the first store of the
present organization in Brooklyn, in 1887,
and from that small neighborhood grocery the present company, complaying cery, the present company, employing 3,000 people, has grown. Mr. Bohack himself had many outside interests, and the stores in the organization handle groceries, meat, fish and baked goods.

PANAMA RAIL ROAD PURCHASES

New York, N. Y.—On Sept. 16, the Panama Rail Road Co. purchased 2,200 sacks of 95 per cent unbleached hard winter wheat flour from the American Maid Flour Mills, Houston, Texas, at \$2.94 bbl, and 250 sacks 70 per cent un-bleached spring wheat flour from the Lexington (Neb.) Mill & Elevator Co, at \$3.88 bbl, both lots basis delivery, e.i.f., Cristobal, during October.

PITTSBURGH FLOUR CLUB TO MIDER

Pressuren, Pa.—The Pittsburgh Flour Club will meet at the Fort Pitt Hotel Oct. 2, at 6 p.m., for dinner. V. M. Wintermantel, the president, will outline plans for the activity of the club for the coming fall and winter seasons.

MARYLAND FLOUR BIDS

BALTIMORIA, Mn.—The state of Mary, land has asked for bids on 1,300 bbls of flour for use in state institutions.

MEWS @RIST in BRIEF

J. R. French, New York flour broker, was in Buffalo and Lockport last week.

F. D. Wilson, of Wilson Bros., Buffalo, taking a few days' vacation in the

A. E. Skinner, of the Boston office of Cushing & Co., feeds, visited Buffalo

11. E. Bradt, vice president of the Sunset Feed & Grain Co., Buffalo, was on vacation last week.

Charles F. Knock, for many years en-gaged in the flour and feed business at Frederick, Md., died recently.

Charles Minnigerode, secretary of the Baltimore Flour Club, has returned from his summer's vacation in Maine.

A. C. Bernet, of the Bernet, Craft & Kauffman Milling Co., St. Louis, was a recent visitor on the Philadelphia Commercial Exchange.

Carl C. Hauswald, of Hauswald's Bakery, Baltimore, was host to the Balti-more Bakers' Club, Sept. 16, at the Maryland Country Club.

George W. Bartlett, a well-known re-tired grain merchant of Buffalo, has been elected treasurer of the Hamburg, N. Y., Chamber of Commerce.

W. G. McLaughlin, of the Globe Flour Mills Co., Perham, Minn., made his head-quarters while in New York recently with the American Flour Corporation. He flew east from Minneapolis, leaving there on the morning of Sept. 13, and arriving in New York on the evening of the same day. He later left for Boston and Philadelphia.

R. F. Bausman, who is in charge of the New York export office for the Wash-burn Crosby Co., Inc., was a visitor at the firm's Buffalo office last week.

Clearances of wheat and flour from the port of New York for the week end-ed Sept. 12 amounted to 1,105,000 bus and 40,000 bbls, with rye shipments of 17,000 bus.

Carl J. B. Currie, buyer for Park & Pollard, Boston, feedstuffs, has been elected excellent high priest of Mount Vernon chapter, Royal Arch Masons, of Dorchester, Mass.

The Flour Club of Philadelphia held a The Flour Club of Philadelphia held a golf outing at the LuLu Temple Country Club, Sept. 23, followed by dinner at the club house. Members of the Flour Club not playing golf were presented with tickets to the Athletics-Boston base-ball genue. ball game.

E. F. McCarthy, sales manager for the American Maid Flour Mills, Houston, Texas, has been visiting the M. S. Brown-old Co., of New York, for the past couple of weeks, in the course of a husi-ness trip to castern scaboard markets. He reports finding business good.

T. J. Bush, sales manager for the Bob White Flour Mills, Kingfisher, Okla., was in Baltimore last week on a business vis-it. He renewed acquaintance with a number of old friends in the city. Mr. Bush was formerly Baltimore represen-tative of the Commander Milling Co., Minneapolis.

CONTRACTOR STATE STATE OF THE S PACIFIC · COAST

WALTER C. TIFFANY, SPECIAL REPRESENTATIVE

P. O. Box 726, Seattle, Wash.

Correspondents at Los Angeles, Ogden, Portland and San Francisco Cable Address: "Palmking"

Pacific Coast Mills Doing Local Business

The time the Colonic Roman Colonic State of the Col

CONDITIONS are quite the same as they have been for months as to domestic outlets for flour made by northern Pacific Const mills, namely, a reasonable volume of flour being sold to local markets and very little to outside domestic points. If the coast demand were helped out hy some increase in forcing sales, so as to decrease the excessive competition for near-by trade with its resultant price cutting, the situation would not be abnormally unsatisfactory, in spite of the usual complaint of the millers as to dullness.

That is to say, when mills operate almost continuously at 50 to 60 per cent of capacity as the tidewater mills, excepting those which are almost exclusive ly export mills, have been doing, and the interior mills at 75 per cent of capacity, NONDITIONS are quite the same as

y export mills, have been doing, and the interior mills at 75 per cent of capacity, and flour stocks are not heavy, the volume of flour moving into domestic consumptive channels cannot be said to be exceptionally unsatisfactory. Prices secured, rather than the aggregate volume of sales, are the principal thing the trade can complain about, and for this most of them have only themselves to thank. Flour Prices.—Washington flour quotations, car lots, coast, Sept. 18: bluestem family short patents, \$1.40@4.80 bld, in 49's; stundard patents, \$1.30@3.70, 98's; pastry flour, \$2.90@3.25, 98's; hlends, made from spring and Pacific hard wheats, \$4.4.70, 98's; Montana first patents, car lots, coast, arrival draft terms,

ents, car lots, coast, arrival draft terms,

Export Trade. Extreme quiet Barbon Trade. Extende que con-tinues to characterize the export flour situation with China and Hongkong. Un-certainty as to when and on what terms the const mills will be authorized to grind from board wheat and ship the flour made therefrom for Chinese famine re-lief, has paralyzed independent flour export trade. Only a few bids for flour have been received recently, and at prices too low for consideration.

FLOUR OUTPUT

Output of Senttle mills, with weekly aggregate capacities of 46,800 bbls, as reported to The Northwestern Miller:

	Output 1	ct. of
Sept. 6-12	. 20,391	43
Previous week	. 23,567	5/8
Year ago	35,366	75
Two years ago		7.0
Three years ago		27
Four years ago .	27.770	59
Five years ago	. 17,435	42
Abote and A Market and Market		

Output of Tacoma mills, with weekly aggregate capacities of \$7,000 bbls, as reported to The Northwestern Miller.

	Charling	1 6 5 115
	bbls	netivity
Sept. 6-12	30,693	5.3
Previous week	16,918	82
Year ago	61,709	90
Two years ago	50,749	59
Three years ago	51,295	90
Four years ago	32,451	57
Five years ago	27,863	18

Small Lots Sold at Los Angeles

Small Lots Sold at Los Angeles
Los Angeles, Cal.—Bakers continue to
book flour in small volume, and as needed by the buyers. There has been a decided tendency this season to patronize
California bluestem types of wheat flours
for balloon loaf types of bread to replace Pacific Northwest bluestems. This
is due to price and the fact that local
bluestems this year have been of exceedingly high quality. There has also been
a considerable tendency with the medium
sized bakery trade to use Utah-Idaha
and Pacific Northwest straight grades of
hard wheat flour. The tendency for fancy
grades has decidedly decreased. Family

hard wheat flour. The tendency for fancy grades has decidedly decreased. Family flour is moving in good volume.

Quotations, car lots, sight draft terms: Montana spring wheat patents, 85:20% 5:50 bbl. Utah-Idaho hard wheat patents \$3.50% 3.80, family patents \$4% 4.50; Oregon-Washington bluestem patents

\$3.60@3.80, hard wheat patents \$4.40@4.80, pastry \$3.40@3.60; California bluestem patents \$3.606 3.80, pastry \$3.306

Oregon Sides Are Moderate

PORTLAND, OREGON.—Flour sales are of moderate volume, but still are for current requirements only. Prices are on a very steady basis because of the wheat situation. Quotations, in car lots, Sept. 19: best family patents, \$4.50 bbl; bakers hard wheat, \$3.40@4; bakers bluestem, \$2.08@36

There have been a few export sales to There have been a few export sales to North China in small lots for October shipment. The trade generally is waiting for the conclusion of arrangements for the shipping of farm board supplies to the Chinese flood districts.

FLOUR OUTPUT

Output of Portland mills, with a weekly expandity of 36,300 bbls, as reported to The

Outpu	
Sept. 6-12 21,88	7 59
Previous week 23,26	
Year ago	1 11
Two years ago 26,23	
Three years ago 28,48	1 77
Four years ago 26,19	12 41
Five years ago 27,60	

Improvement at Ogden

Improvement at Ogden
Ogden, Uratt.—Although no extensive orders were placed last week, general business tone was improved with many small lot purchases and increased shipments. The results were shown in heavier operations of Ogden mills, which reached 90 per cent of capacity. Warehouse stocks were not increased. Country mills operated at 50 per cent of capacity. Prices remained unchanged.

Quotations: to southeastern dealers, first patents 83,06,3.70 bbl, straights 83,206,3.40, second grades 836,3.25, car lots, f.o.b., Memphis and other lower Mis-

sissippi River common points; to Cali-fornia dealers, family patents \$4@4.20, second patents \$3.40@3.80, straights \$3.20@3.60, second grades \$3@3.40, car lots, f.o.b., San Francisco and other Califormia common points; to Utah and Idaho dealers, fancy patents \$3.80@4, second patents \$3.60@3.50, straights \$3@ 3.20, stuffed straights \$2.40@2.60, car lots, f.o.b., Ogden.

lots, f.o.b., Ogden.

Better Buying in San Francisco
SAN Francisco, Cal.—Prices continue
firm following the advance of last week.
Some sales are still being made at the
lower levels due to keen competitive conditions. Both large and small bakers are
commencing to contract for 60- to 90-day
requirements due to the firmness of the
market, and the past week has produced
a good volume of such business. Flour
deliveries have likewise shown improvement.

ment.
Quotations, car lots, draft terms, San Francisco: Idaho family patents, \$4.67 (2.20 hbl; California family patents, \$3.60 (3.80; Oregon-Washington bluesten blends, \$3.60 (3.80; northern hard wheat patents, \$4.30 (4.50; northern pastry, \$3.10 (6.330; Dakota standard patents, \$5.50 (6.575; Montana standard patents, \$5.50 (5.75; Idaho hard wheat patents, \$3.50 (6.370; California bluestem patents, \$3.50 (6.370; pastry, \$3.10 (6.330).

PROMOTION FOR M. W. SHERWOOD

PROMOTION FOR M. W. SHERWOOD, Los Angeles, Cal.—M. W. Sherwood, formerly plant manager for the Sperry Flour Co. at Los Angeles, has been transferred to the home office of the company in San Francisco, where he will be in charge of export flour sales. Mr. Sherwood is succeeded in Los Angeles by R. Rayber, who for years acted as sales wood is succeeded in Los Angeles by K.
R. Barber, who for years acted as sales manager for the Gold Medal Flour Co.
for California. For the past two years he was sales manager for both the Sperry and Gold Medal companies.

RIGHER JAPAN CORN DUTY ASKED

Washingtons, D. C.—The Japanese government has been requested by the Japanese starch manufacturers to increase the duties on corn and millet and institute an import duty on sorghum, the Department of Commerce has been told Department of Commerce has been told. Competition from imports brought about the request. Sorghum is at present duty free, while the duty on 100 kin of corn is 0.30 yen and on millet 0.50. A yen equals approximately 49c, and 100 kin is the equivalent of 132.28 lbs.

NEWS and PERSONAL

M. G. Russi, Portland agent of the Wasco Warchouse Milling Co., has re-turned from a 10 days' visit to California.

Western Oregon farmers have started fall sowing, but in the large wheat dis-tricts in eastern Oregon the soil still is

D. W. L. MacGregor, resident partner at Portland of Balfour, Guthrie & Co., left recently for a two months' trip to

The Washington spring wheat yield is abnormally light, 10,668,000 bus, according to the Department of Agriculture, compared with 19,253,000 bus in 1930, and the five-year average of 20,537,000.

Washington soil conditions are still too Washington soil conditions are soil too dry to permit fall plowing or seeding in most sections. Heavy rains in some sec-tions, however, have put the soil in good condition and farmers are all planting

The larger part of Portland wheat op-erations of late have been with California. Grain men predict that the southern state will take from 12,000,000 to 15,000,000 bus of Oregon and Washington wheat this season.

Arrangements have been perfected with the Federal Barge Lines, operating on the Mississippi River, and the Pacific Coast to Gulf steamship companies, for

joint rate on flour of 48c from north ports to river bank terminals at Memphis.

Hugh Butler, president of the Grain and Feed Dealers' National Association, was in Portland Sept. 15 on his tour of western states, and addressed a large number of grain men at an informal dinner. He later went to San Francisco and Los Angeles.

Dr. David J. Price, in charge of the chemical engineering division of the Bureau of Chemistry and Soils, United States Department of Agriculture, will speak on dust explosion and farm fire prevention research work at a luncheon at the Seattle Chamber of Commerce, Sept. 30.

Twenty interior mills of Washington, Oregon and northern Idaho, with month-ly aggregate capacities of 278,200 bbls flour, made 206,633 bbls in August, or 71 North Pacific Millers' Association. Washington interior mills operated at 74 per of capacity, Oregon 76, northern Idaha 54

The steamer Dairyan and motorship John Bakke left Portland last week for China with capacity cargoes of wheat, the former taking 287,441 bus and the latter 302,400. These were the third and fourth full cargoes, respectively, to be dispatched for China this month. Wheat exports from Portland this month to date amount to 1,822,664 bus.

FEED PRICE AVERAGE CONTINUES TO DROP

Sharp Declines in Gluten Feed and Meal and Cottonseed Menl Drag Index Figure to New Low

The average of feed prices continues to decline despite steadiness in wheat millfeed, linseed meal, alfalfa meal and hominy feed, according to the grain, hay and feed market news service of the Bureau of Agricultural Economics. The bureau's feed price index stood at a new low of 47.7 per cent of the basic 1926 level on Sept. 15, compared with 48.6 on Sept. 8, 51.9 a month ago and 96.6 a year ago.

a year ago.

The index is compiled from current quotations for bran, gray shorts, standard middlings, linseed meal, cuttenseed meal, gluten feed and alfalfa meal at important distributing markets.

OKLAHOMA GOVERNOR WOULD LEGISLATE WHEAT ACREAGE

Oklahoma Cirv, Okla.—A basic yearly reduction of one third acreage of both wheat and cotton; the setting up of a Scotch banking system to insure sufficient loans to farmers furnished by means of a tax levied on banks and other cient loans to farmers furnished by means of a tax levied on banks and other interests connected with the crops, and a four-inch ruffle on women's frocks to use up the surplus cotton, were, briefly, the high lights in the recommended program of Governor William II. Murray put before approximately 1,000 wheat and cotton farmers in a state-wide meeting held Sept. 16 at the capitol.

The program as adopted includes an enforced rotation of crops to restore and retain soil fertility, and provides that not more than one third of a farmer's tilled acreage shall be planted to wheat or cotton in one year. Provision is also made regulating new acreage planting.

This proposed legislation will be offered to the citizens of Oklahoma in an initiative form and shall become a law by virtue of the required vote and effective only after being adopted by 75 per cent of the wheat and cotton growing states.

ing states.

UTAIL ASKS RAILROADS FOR REDUCTION IN FEED RATES

Comes, Uran.—Railroads entering Utah have been requested by the Utah drouth relief committee, recently appointed by Governor George Dern, for reduction of 30 per cent on freight rates for 1,500 carloads of feed concentrates. This feed is deemed necessary to carry the live stock of Utah over the winter. J. M. McFarlane, president of the Utah Cattle & Horse Growers' Association, says that this amount is needed in addi-tion to Utah's feed and range available, Cattle that the live stock men cannot import the concentrated feed without the reduc-tion asked and that without this supply, the live stock will not live through the

BOARD'S PACIFIC HOLDINGS SOLD

BOARD'S PACIFIC HOLDINGS SOLD
PORTLAND, QUARON. The sade of farm
board wheat to China will clean up the
entire stabilization stocks on the Pacific
Coast, according to Edgar W. Smith, of
the Farmers' National Grain Corporation. Mr. Smith also doclared that the
Farmers' National had sold 5,000,000 hus
of wheat for export so far this crop
year, either direct or through exporters.

COLORADO MILLING DIRECTORS

Denven, Coro. The directorate of the Colorado Milling & Elevator Co., of Denver, was raised from nine to eleven at a recent meeting of the stockholders. By a unanimous vote, John O'Connor and J. K. Weckbaugh, grandsons of the late J. K. Mullin, were elected to the board. John L. Dower, who has been president of the company since 1929, was re-elected.

Indicating progress in pure seed supplies and plantings in the Northwest, the third annual report of the Northwest Crop Improvement Association calls attention to the 2,507 fields inspected and certified in 1930 against 1,000 fields in 1927, a 250 per cent increase.

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OMINION OF @ANADA

A. H. BAILEY, CANADIAN MANAGER

1001 Lumsden Building, Toronto 2, Ont. Correspondents at Montreal, Winning and Vancouver Cable Address: "Palmking"

CANADIAN MILLING AT THE AWAKENING POINT

By A. H. Bailey

THERE is a possibility that the early future will witness constructive developments in the Canadian flour milling industry, whereby it may be enabled to deliver itself from the morass of unprofitable futility in which it has been floundering for some time past. There is no occasion at the moment to analyze the situation as it stands. No one in the trade is satisfied and few, if any, are making any profit. Aside from a reduced volume of export trade which may be attributed to circumstances beyond the control of the industry the conditions complained about are largely self-created and can only be changed for the better by action from within. Competition for volume has been allowed to run riot at the expense of earnings, and price lists based on cost plus figures have almost ceased to exist. A few of the more responsible men in the trade have tried by example and precept to stem the tide of disaster, but always at great cost to their own companies through reduction of bookings and loss of established accounts.

Perhaps something like this had to happen to the milling industry in order that a better sense of mutual responsibility for the common welfare might be brought about. But now that it has happened and the consequences are what they are, the time for remedial action is surely ripe. Communications from members of the trade show a general desire to co-operate in restoring confidence and prosperity. Leadership is the principal need, but where that is to come from remains to be discovered. Those who have tried the role in the past at heavy cost to themselves are hardly likely to try again unless they have an assurance that they will be followed by the rank and file of millers.

In former periods of general business depression the flour milling industry has not suffered to the same extent as others. Humanity must eat regardless of whatever clse it has to do without. Bread is at all times the cheapest and best of foods. But this time the former rule has failed to operate to the benefit of business. The cause is to

Toronto Mills Report Better Domestic Trade

CPRING wheat flour is doing better in domestic markets. Mills report in domestic markets. Mills report somewhat larger bookings in all branches of the trade. Prices are still unsettled. Cutting is severe though mostly confined to a few concerns. The more responsible mills refuse to follow when extremes are reached. There is really no change in the values since a week ago though it is difficult to name figures that have general significance. Qualations, ave general significance. Quotations, ept. 19: top patents, \$1.75@4.85; seconds, \$3.60@3.80; low grades, \$3; graham and whole wheat flour, \$3.40@3.50, all per bhl, in 98's, jute, mixed cars, delivered, less 10c bbl for cash, plus cartage if

Ontario Winters .- Grinding of Ontario winter wheat flour is at a low point. Very little is being produced. Mills report wheat scarce and small demand for flour. Domestic huyers are supplied for flour. Domestic buyers are supplied for the present. Small mill prices for 90 per cent are at \$2.30@2.35 bbl, in buyers' bags, car lots, seaboard basis, while better mills making standard trands for domestic use ask from \$2.40 to \$2.50 bbl, same basis; in secondhand jute bags, \$2.50 bbl, Montreal or To-

Exporting.-Demand for springs for export is better. Mill reports agree in this. United Kingdom sales show most improvement, with Ireland, Norway, Denmark and Czechoslovakia also buypennark and Czecnostovakia also buy-ing. Prices are not profitable, but they are better than competitors in other countries are getting. Prices are 6d un-der a week ago. Quotations, Sept. 19: export patents, 17s 9d@18s per 280 lbs, jute, c.i.f., London, September-October senboard; Glasgow, 18s@18s 3d. Winters are not wanted for export.

Nominally they are quoted at 17@18s per 280 lbs, c.i.f., London. Ontario Winter Wheat.—There is a

growing feeling in the trade that On-tario winter wheat is going to be worth more money before this crop year is much further advanced. There is no great surplus of this grain and on the other hand there is potentially plenty

of market to absorb every bushel of what producers have to sell. Farmers as well as members of the trade have as well as members of the trade have this feeling and accordingly are not de-livering their wheat in any quantity at present levels. Prices being paid are not actually different from those of the last several weeks, but the market is firm. Quotations, Sept. 19: No. 2 red or white, 40@45c bu, in wagon loads, at mill doors; car lots, on track, country points, 43@45c bu, according to location.

Moderate Flour Trade at Montreal MONTREAL, QUE. — Moderate trade, without any particular feature, has marked the past week in Montreal mill-

is offered up to 1,000,000 bus of grain to be delivered to Churchill before Nov. 1, arrangement will be made to store it free in the elevator at that point during the winter, to permit an early shipment where we have the support of the store of the business of the support of

William McDonald, of McDonald & Robb and Bruneau Currie, Ltd., Montreal, left Sept. 18 for a trip to western Canndn.

James McAnsh, member of editorial James McAnsh, member of editorial staff of the Manitoha Free Press and representative of The Northwestern Miller in Winnipeg, passed through Toronto last week. Mr. McAnsh is on a motor trip which is extending to Montreal.

R. J. Manion, minister of railways and canals, intimates that if the government

ing circles. Prices have held at the same levels. There is a little doing all the time in export. Domestic demand is still for immediate requirements. Quotations on spring wheat flour, f.o.b., Montreal, per bbl, less 10c for cash: first patent, \$4.60; second patent, \$3.80; straights, \$3.70 There has been a little improvement

in demand for winter wheat flour during in demand for winter wheat flour during the past week. Sales had been poor for so long that stocks ran out, and with lower prices established recently buyers felt it good business to take on a little extra supply. Winter wheat flour quo-tations, f.o.b., Montreal: car lots, \$2.60@ 2.70; broken lots, \$2.90@3.10.

2.70; broken lots, \$2.90@3.10.

Good Export Trade Indicated at Vancouver Vancouver, B. C.—The month of August did its share in maintaining an increase in flour exports over the same period last year, and the movement so far this year is double that of the total for the first eight months of 1930, according to figures issued by the grain division of the Merchants' Exchange. The export for August totaled 74,700 bbls, as compared with 59,760 in August, 1930. Since Jan. 1 the port has moved 533,350 bbls, as compared with 271,610 last year. August shipments were made up of 45,130 bbls to the Orient, 24,090 to the United Kingdom-Continent; 1,660 to Australasia and 3,820 to other countries.

130 bils to the Orient, 23,000 to the United Kingdom-Continent; 1,660 to Australasia and 3,820 to other countries.

While bookings of flour handled during the past week to both the Orient and the United Kingdom-Continent have been fairly light, there is every indication of a sizable amount of business being done within the next month, particularly to the United Kingdom-Continent, according to local exporters. The unfavorable grain situation in Europe is expected to result in increased pales for Condina grain situation in Europe is expected to result in increased orders for Canadian wheat and flour, and generally the situation looks fairly bright. The oriental picture, however, continues drab in view of the large Federal Farm Board sales of wheat and flour from United States Pacific Coast ports, cutting out the Canadian exporter almost completely for the time being. the time being.

Plenty of space is offered by liners to both countries. To the United Kingdom-Continent business is being done at 22s 6d, with 25s indicated for Scandinavian

space. The United Kingdom movement, while not in large parcels, is fairly consistent. To the Orient the going rates are \$4 to Japan, \$3.50 to Shanghai and \$4.50 to Hongkong. The rate to North China ports is an open one and ranges from \$4 to \$4.50.

from \$\frac{4}\$ to \$4.50.

Domestic sales of hard and soft wheat flour are fairly well up to the average, dealers report. Prices continue very irregular due to the bread war and there are all kinds of private prices with very few of the mills adhering strictly to list prices. The same applies to the millfeed situation. Some fresh Australian pastry flour was landed here during the past week, but has not been offered to the trade vet. It is expected that the price will be about \$\frac{4}{3}\$ under local mills, due to depreciated Australian currency. A little Ontario pastry flour is on the local tle Ontario pastry flour is on the local market at 50c under.

Winnipeg Domestic Demand Better Winnipeg, Man.—Although the ex port flour trade continues very slow and shows no improvement for the week, domestic demand has improved a little and mills are able to report a fair business passing and that country trade is inpassing and that country trade is increasing. Prices are unchanged for the week and quotations on Sept. 19 were top patent springs, for delivery between Fort William and the Alberta boundary, \$4.55 jute; seconds, \$4.05; cottons 15c more; Pacific Coast points 50c more; second patents to bakers, \$4.35, car lots, basis jute 98's.

EXPECTS CANADIAN WHEAT GROWER TO HOLD HIS OWN

TORONTO, ONT.—James A. Richardson, president of James Richardson & Sors, grain merchants, Winnipeg, did Canada a good turn in his recent address to the Canadian Chamber of Commerce at Regina. Mr. Richardson is one of the most outstanding authorities on the grain trade of this country and none has a better understanding of its problems.

In his opinion Canada is able now and In his opinion Canada is able now and in the future to meet all competitors in the race for supremacy in the production and sale of high class wheat. He agrees that some parts of the western provinces may be forced to go in for more diversified forms of farming, but maintains that in those parts where grain raising alone is possible profitable operations may be carried on if suitable methods are employed. Science will have methods are employed. Science will have to be brought to the aid of the farmer, especially in the matter of conservation of moisture, but this can and should be

Mr. Richardson expressed himself not in favor of any attempt to control prices for grain either by Canada alone or in co-operation with other producing countries. The idea of doing so is unsound and can only react unfavorably What he does urge is steady and in ereasing application of sound methods to the production of wheat and other grains supplemented by similarly sound marketing operations.

No enthusiasm was shown by the milling companies concerned over the news that Canadian exports of flour for month of August were down to 522,000 bbls as against 627,000 a year ago. However, there are indications of better demand hereafter and sales for export since end of August have been larger. Some mills report good inquiry and shipping com-panies better bookings of space for future use.

MOTES on the TRADE

R. J. Pinchin, manager, Copeland Flour Mills, Ltd., Midland, Ont., visited Toronto on Sept. 17.

H. N. Davis, manager of Ogilvie's plant at Medicine Hat, Alta., spent a few days in Winnipeg last week.

The Kent Mills at Chatham, Ont., were partly burned when struck by lightning on Sept. 15. This Is a feed and choping plant owned by F. B. Stevens, Chatham, and O. W. Wilson, Dunnville.

when navigation opens on the Hudson Bay next summer.

Clayton W. Heimbecker, manager of Chyton W. Tellindezer, manager of the Toronto office of Parrish & Heim-becker, Ltd., and Charles Faessler, di-rector, were in Winnipeg last week for the twenty-second annual meeting of their company, which was followed by a presi-dential dinner. This firm is active in the Canadian grain trade, operating branches in cities all the way from Toronto to Vancouver.

The news from Guelph that Hon. The news from Gueiph that 110n. Lincoln Goldie, formerly provincial secretary of Ontarlo, is seriously ill is disquieting. Mr. Goldie is well known in the trade, his family being engaged in the milling business at Guelph for generations. Until a few years ago when the plant was sold Mr. Goldie himself was active in the business as a member of the fire of James Guldie Co. Ltd. of the firm of James Goldie Co., Ltd.

TESTS SHOW HIGH QUALITY IN CANADIAN WHEAT CROP

WINNIEG. MAN.—Milling and baking tests, conducted in the Dominion grain research lahoratory under the direction of Dr. F. J. Birchard, indicate that the quality of the new Canadian wheat crop is exceptionally high. is exceptionally high.

is exceptionally nign.
The weight per bushel of the samples received to date at Winnipeg is about the same as last year and the yield of flour also compares very well with that flour also compares very well with that obtained from corresponding grades. The crop also is very dry, many cars testing around 12 per cent moisture, while the average is 13.2 per cent. Of 3,216 cars inspected to date less than 4 per cent were graded tough and none were damp.

It should also be noticed that to date over 90 per cent of the ears graded No. 2 northern or higher, about 6 per cent No. 3 northern, and less than 1 per cent

As previously reported, the protein content is markedly higher than was the case last year, the average difference being 0.8, 0.9 and 1.6 per cent, in the case of No. 1 hard, No. 1 northern and No. 2

or No. 1 nard, No. 1 normers and No. 2 northers, respectively, in the samples examined to date.

The quality of the gluten of the different grades is also exceptionally good and compares most favorably with that of

compares most favorably with that of other years.

The baking quality is also excellent and fully equal in every particular to that of last year, which was also unsually good. The flour absorption is higher and the loaf volume greater than that of last year. When blended with typical low protein foreign wheats the increase in loaf volume is very marked, this increase being as great if not greater than that found with last year's wheat. All things considered it may be said that the baking quality of this year's crop to date is fully equal to, if not heter than, that of any other year examined by the laboratory.

CANADIAN MILL VENTURES IN BAKING DECLARED COSTLY

MONTHEAL, QUE.—Canada's leading weekly financial newspaper, the Financial Post, publishes in the current issue a two-column article declaring the bakeries owned by Canadian milling companies are proving costly adjuncts and that some of them might not be averse to considering any reasonable offer for their purchase. Maple Leaf Milling Co., Ltd., controls the Canada Bread Co., Ltd., and has a large stake in Dominion Bakeries and Canadian Bakeries; Ogilvie owns the Consolidated Bakeries, Ltd; Lake of the Woods owns Inter-City Baking Co., Ltd., and Inter-City owns Western Bakeries, Ltd., while other milling companies have

CONFERENCE ON WHEAT FARMING

an interest in other baking concerns.

EDMONTON, ALTA .- A conference was Endowron, AETA.—A conference was beld in Calgary under the auspices of three farm implement firms, at which a number of wheat producers in Alberta and southwestern Saskatchewan faced the situation in the wheat farming industry and considerate ways and means of and considered ways and means of making production more profitable. It was generally agreed that, despite everything, wheat will remain for a long time the predominant crop of the Canadian plains country. Lower production costs and improved cultural methods will, however, be necessary. Winter wheat was declared to be one of the great hopes of the future, particularly as a means of overcoming soil drifting, and a resolution was passed urging the federal depart-ment of agriculture to extend its present ment investigations in the development of verieties suitable for the Canadian West.

GRAIN COMPANY'S PROFITS

WINNIPEG, MAN. Operating profits of 8310,241, after deducting all expenses, including maintenance and repairs, are shown in the annual statement of the Western Grain Co. for the year ending July 1. From this profit the company

paid bond interest totaling \$177,830, leaving a balance which was transferred to a profit and loss account of \$162,411. The balance sheet had been prepared this year to include the company's wholly owned subsidiary, the Mutual Grain Co.

After making provision for three quarterly preference dividends amounting to

terly preference dividends amounting to \$97,500 and an additional assessment of the Dominion income tax department for the year 1929 of \$1,076, the amount of credit of surplus account in 1931 was in-creased during the year from \$199,537 to \$263,372.

to \$263,372.

In presenting the annual statement President C. G. Spencer said that although the working capital position was satisfactory the company had discontinued payment of preference dividends on July 2, 1931. This action was deemed advisable in view of the uncertainties of the present year due to crop failures in large areas. large areas.

HARVESTING COSTS IN ALBERTA

EDMONTON, ALTA-Harvesting of the wheat crop in Alberta this year has been considerably facilitated by provisions made for the distribution of binder twine. It was evident in the early part of the season that farmers would have difficulty in securing their necessary supplies, and the matter was taken up with the banks the matter was taken up with the banks by the provincial government in each of the prairie provinces. Arrangements were thus made for the extension of rea-sonable credit through all the banks and their local branches whereby farmers could purchuse twine as required, and the plan is reported to be working out satisfactorily. Other costs of harvesting are running low as compared with nor-mal years. In at least one wheat groware running low as compared win normal years. In at least one wheat growing district in Alberta wages for harvesters have been fixed at \$1.50 for a 10-hour day, threshers \$2.50 for a man and team. Threshing prices were set at 5c, 1c and 3c bu for wheat, barley and oats, respectively.

WHEAT BONUS IN ALBERTA

Enmostros, Alta—Wheat producers
will be paid the Dominion government's
bonus of 5c bu by means of separate
checks drawn upon the government by
the clevator companies receiving the
grain. The honus will be irrespective of
grade, will apply to 1931 wheat only,
and will be paid only to resident owners
or tenants actually producing the cronor tenants actually producing the crop. Distribution of the bonus money, which is expected to total over \$6,000,000 in the three prairie provinces, is being bandled from a central office in Winnipeg.

Alberta producers who are members of the pool, and who now have the option of selling in the open market if they

prefer, will adhere to co-operative marketing for at least the greater part of the crop, it is thought by Robert Gardiner, M.P. Selling either way, they are eligible for the federal homs, which is intended to help offset a national emer-

OGILVIE BONUS IS OMITTED

MOSTRUM, QUE.—Payment of a bonus on the common shares of the Ogilvie Flour Mills Co., Ltd., has been omitted for the quarter ending Aug 31, 1931. The regular quarterly dividend of 82 per share has been declared, payable Oct. 1. The company for some years past has, at this time, declared a bonus, but this year, owing to decline in earnings, the homus has been omitted. The total 1931 disbursement therefore amounts to 88 per share. Last year a bonus of 85 per share was declared in addition to the regular rate, while in 1929 the bonus amounted to 817 per share. Bonuses have been paid by Ogilvie since 1925.

FIRST GRAIN SHIPPED FROM HUDSON BAY TERMINAL

TORONTO, ONT.—At long last the Hudson Bay route for grain from western Canada to the markets of Great Britain and Europe is open and under its first practical test. A telegram from Churchill on Sept. 15 stated that wheat was then being loaded on vessels for shipment to Liverpool. Two cargoes were to be dispatched. The British ship Farnworth was the first to load and was followed immediately by the Warkworth. The first cargo comprised 270,000 hus of No. 2 northern Canadian spring wheat and the second 237,000 hus of No. 1 hard and No. 2 northern. The new 2,500,000-

Such in its briefest form is the culmination of a 50-year-oid dream of the farmers of western Canada. No other shipments will be attempted this year, as the port facilities at Churchill are not yet ready for continuous use. Ministers of the Canadian government, officials of the departments concerned and engineers who have had a part in the construction of this great enterprise were present as spectators when these ships sailed away for England.

Canada will follow with great interest these initial voyages from Hudson Bay with grain. She has staked a lot of money on the project and will be more than ordinarily concerned to know the cost and risks of such voyages.

and No. 2 northern. The new 2,500,000-bu government elevator loaded the grain The Farnworth sailed on Sept. 17 and the Warkworth on the 19th. Such in its briefest form is the culmi-

EDMONTON RISCUIT PLANT DISCONTINUES OPERATIONS

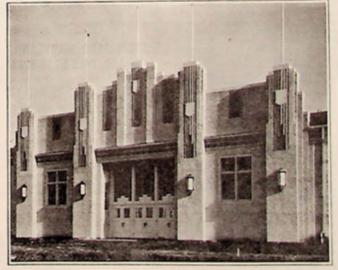
EDMONTON, ALTY:—Manufacturing operations are to be discontinued at the Edmonton plant of the Northwest Biscuit Co., a unit of the Canadian Biscuit Co., and consolidated at the latter's Windows nipeg plant. The company explains that this is an economy measure and is intended to be only temporary, until such time as business conditions warrant re-sumption of production in Alberta. The merchandising staff will continue to work the western field from the Ed-

monton effice, warehouse stocks will still be kept here, and the subsidiary North-west Mill & Feed Co., which makes a large part of the flour used by the biscuit works, will continue to operate. It seems, however, that the biscuit production end of the business has been losing out for the past year or two, and it has therefore been decided to concentrate the manufacturing in Winnipeg.

The company states that if the public f central and northern Alberta had bought more of its goods to the extent of 75c per capita per annum, there would have been business enough to keep the plant here in operation.

NOT INTERESTED IN BUDSON BAY

EDMONTON, AUTA, A sympathetic in-terest in the Hudson Bay grain route is about all that Alberta grain men are taking, even in the face of a first actual shipment via Churchill. It is not expected, and never has been, that the new route, while likely to be of great value to Saskatchewan and Manitoha, will figure much, if any, as an outlet for Alberta grain. Rates from this province have not even been listed in the Cana-dian National Railway bulletin for Churchill shipments. So far as Alberta is concerned, the grain exporters are pretty well committed to the Pacific route, which has obvious advantages for the farther West business. From Edmonton, for example, the freight rate to Vancouver is about 1½c cheaper than the probable rate to Churchill would be.



CUESTS at the World's Grain Exhibition and Conference at Regina, Can., next year will enter the main bailding through this beautiful gateway to the main section. The building is of stucco finish and of permanent construction. main section. The obtaining is of viacco finish and of permanent constructions. The pillars are lighted with four modernistic lantenns, and the whole outline is planned with modernistic ideas in architecture in mind. The stacco is stippled and makes an artistic exterior. The interior decorative work, including friezes, panels, etc., will be done in grain seeds. The building consists of one main unit and two wings, with total floor space of 150,600 sq. ft.

ALBERTA POOL'S ASSETS ARE CONSIDERED SAFE

ARE CONSIDERED SAFE

Editortos, Alta.—With spotty crop conditions, broken harvesting weather and continuing low prices, the Alberta wheat industry is still having its troubles; but the situation has somewhat cleared in respect to marketing. The arrangement that has been made between the pools, the governments and the banks for bandling the 1931 crop will likely turn out particularly favorable in the case of Alberta, mainly for the reason that the pool in this province, being the first and oldest of the three, has a margin of assets that is regarded considerably more than safe.

The operations on this year's crop are being entirely separated from those of previous years, and in all the provinces producers have been assured that they will get all their grain will bring without liability for any debts or obligations of the past. As security for the line of credit necessary for this year's pool operations, there is a first mortgage on the physical assets of the pool, while in addition the provincial government has a floating charge on personal property. The Alberta pool has eash assets of approximately \$2,000,000, and its elevator system is valued at nearly \$8,000,000. The risk of loss to the province is therefore regarded as down to a minimum.

The pools are functioning on precisely the same basis as privately owned companies, but are also carrying on a voluntary co-operative scheme for those of their members who wish to pool their

panies, but are also carrying on a volun-tary co-operative scheme for those of their members who wish to pool their grain. Admittedly the situation is and has been complicated, but the arrange-ments that have been made, after con-siderable negotiation, appear to be as fair to all concerned as possible. Western Canadian wheat producers are not likely, however, to make much in the way of profits from the crop of 1931.

not likely, however, to make much in the way of profits from the crop of 1931. All that they are sure of thus far is a guaranteed price of 35c bu, plus the Dominion government's bonus of 5c. How much more they will get, pool or non-pool, is matter of faith and hope.

BAKERS HOLD COURT ON BUSINESS CASES

Annual Meeting of American Bakers Assoeiation Opens at Chicago, Sept. 21
—Case System Used

Chicago, I.M.—The bakers of the country are gathered at Chicago this week for the thirty-fourth annual convention of the American Bakers Association. From the program provided, it is apparent that the association is getting down to cases, so to speak, and, through a frank discussion of current problems, seeking a solution. A majority of the board of governors and members of the various committees arrived Sent. 19-20. board of governors and members of the various committees arrived Sept. 19-20, before the opening of the convention, in order to arrange the preliminaries and prepare everything, so that the proceedings would move smoothly.

One piece of news was released to the press as to what had taken place at the executive session. That was to the effect that President Stude had recommended that the bakers take some concerted ne-

that President Stude had recommended that the bakers take some concerted netion on relief work. He stated that there was always a certain quantity of bread left unsold at the close of each day that could be made available for relief purposes. He recommended that the bakers organize in their respective localities, in order to make this relief effective, and that the bread should be distributed through established charitable agencies. The details of this relief work would have to be worked out individually. Mr. Stude's recommendation was unanimously adopted.

ly adopted.

The following were elected members of the board of governors for three cases the board of governors for three cases and the board of governors for three cases are the board of governors. I'm dopted.

The following were elected members of the board of governors for three years: R. R. Beannish, Davis Standard Bread Co., Los Angeles; William J. Freihofer, Freihofer Baking Co., Philadelphia; Alton B. Hastings, Jr., Hathaway Bakeries, Inc., Cambridge, Mass; E. J. Hotekkiss, Spaulding Bakeries, Inc., Binghanton, N. Y; A. H. Piper, The H. Piper Co., Chicago; Harry W. Zinsmaster, Zinsmaster Bread Co., Duluth; L. J. Schumaker, American Cone & Pretzel Co., Philadelphia; Bryce B. Smith, General Baking Co., Kansas City; Frank Mack, Mack's Bakery, Bangor, Maine. On the suggestion of the Potomac states delegation, T. F. Bayha, of Bayha's Bakery, Wheeling, W. Va., was elected to the board to serve the unexpired term of the late Glenn O. Garber, of Fredericksburg, Md. The first eight of the above mentioned members of the board were elected to succeed themselves, while Mr. Mack was elected to succeed William Barr, of Chattanooga, resigned. Barr, of Chattanooga, resigned.

LUCKY TO BE BAKERS

The large meeting hall in the Sherman Hotel was well filled when Frederic H. Frazier, the presiding officer, called the open session to order the afternoon of Sept. 21. He said that while complaints as to business conditions were general, he as to utsiness conditions were general, ne believed that when the smoke had cleared away those present would feel they were fortunate to be in the baking business rather than some other industry. Discouragements usually bring out the best in every one, and he said he believed that helders would measure up to the test and bakers would measure up to the test, and co-operate with each other in seeking an outlet that would lead to bigger and bet-ter times. The present depressed condi-tion, Mr. Frazier soid, calls for the exer-cise of common sense and patience, and bakers really have much to be thankful for, because a business that is basic must

for, because a business that is basic must continue to exist. Bakers can look for-ward to making renewed progress, he de-clared, but they must be industrious and aggressive to reach the goal.

In explaining what was meant by "cases," Thomas Smith, secretary of the American Bakers Association, said that the association had directed letters to several thousand bakers throughout the country asking them to describe condicountry, asking them to describe conditions in their respective communities, their problems, and the favorable and unfavorable factors in the industry. Re-plies were received from 41 states and the District of Columbia, and from these a number of "cases" were formulated for discussion. These had to do with price policy, the return of stales, distri-bution, free bread, premiums, discounts, consumption, association interests, etc.

Each section of the country was represented in these "cases." They were outlined by picked men, who had not, however, worked on the committees that considered the "cases," but it was stated afterward that the opinions of the committees would be made known at the afternoon session, Sept. 23.

The freakish fancies of food faddists, diet cultists and other supporters of abnormal and highly publicized "programs" of nutrition, never will supplant bread as the staff of life, Dr. R. Adams Dutcher, head of the department of agricultural and biological chemistry of Pennsylvania State College, assured the hakers. Science, instead of undermining bread as the foundation of our national diet, has only confirmed the wholesomeness and healthfulness of what has, by natural selection, been the world's basic foodstuff since as far back as 2000 B. C. 2000 B C

Acceptance by the baking industry of Acceptance by the baking industry of the discoveries of science in relation to bread, and the adoption of methods and practices designed to enhance the nutrive qualities of their product, Dr. Dutcher said, have resulted in a higher standard of food value in hread today than has ever hefore been known. Continued and increasing co-operation between experts in nutrition and the baking industry, he predicted, will not only maintain bread in its present position of leadership in our diet, but will assist in restoring consumption to its pre-war ratio.

Dr. Dutcher is recognized as a lead-ing authority in nutrition and dietary research, and is chairman of the international committee on vitamin terminology, of which Dr. A. V. McCullom, of Johns Hopkins University, is a member.

RADIO TABLEAU PRESENTED

A pleasing aside in the convention proceedings was a short radio tableau, entitled "Who Is Mrs. Consumer?" It was stated that the budget of the average household allowed 28½ per cent for food, but, as pointed out by the radio announcer, some families spent much less and some much more. His remarks were illustrated forcibly by the appearance on the platform of several women shoppers. The rich, with servants and automobiles, spent proportionately less with the baker than did the wife of the workingman, who also was represented, with a shawl around her head and a market basket in her hand. Apparently, the moral was how to attract to the bakeshop the woman who has the money to spend. A pleasing aside in the convention pro-

"MEN OF LITTLE PAITH"

What was regarded as the outstanding address of the convention was made by address of the convention was made by Henry Stude, president of the association, under the title of "Ye Men of Little Faith." He drew a parallel between conditions in 1920-21, those prevailing in 1924-25, and again those of today. He summed each of them up separately in almost the same words: the 5c loaf of bread appeared. A new type of self service store advertised a loaf at 3c. The price of bread became front page news. A cartoon appeared showing a rapidly rising balloon with the basket depicted as a loaf of bread. Politicians calculated the relative price of a bushel calculated the relative price of a bushel of wheat and a loaf of bread. The attorney general's office was invited to investigate the bread trust. The price of bread dropped in every American city. The morale of the baking industry was at low ebb. Co-operation was declared to be a failure. A new plan of organization was proposed for the American Bukers Association.

But after 1920-21 and 1924-25, there were several years of progress and prosperity. Bread quality was improved, mergers came, Wall Street became interested, sales promotion was studied and distribution became more wide-

"And so it goes," Mr. Stude said.
"Peaks and valleys. The valleys to test "Peaks and valleys. The valleys to test our strength, our courage, our faith; the peaks as a reward for those who stand the test. If we view the situation im-partially, face it honestly, we must admit that the present valley was almost neces-sary to jar us out of our complacency and to shock our self-satisfaction. The game was too easy. Some had grown fat and lazy; some were over-confident. There will be some weeding out, of course, but those who go through this and survive will be so strengthened in their ability, so tested in adversity, so stimulated in the future, have so much greater faith, that the men still in the game will never again be so vulnerable. "We are facing a new gen. Use a life.

game will never again be so vulnerable.
"We are facing a new era. Use a little faith; faith in each other, in ourselves and in our industry. And the way
to attain that faith is not to worry about
the other fellow having it, but to have
it ourselves."

THE RETURN OF STALES

Discussing the question of how to control the return of stales, George M. Dunn, sales manager for the New England Bakery, Pawtucket, R. I., said that since legislation and gentlemen's agreements, sponsored by the best brains in the industry, have proven impractical, unpopular and unsuccessful, the only thing bakers can do, until a permanent cure is conceived, is to exercise their best thought and effort towards its control.

best thought and effort towards its control.

In Mr. Dunn's opinion, the cause for the lack of control of returns goes further back than the sales department, and rests with the management and production departments. Stale returns can best be controlled when each person in the organization, who has a responsibility in controlling returns, senses that responsibility, instead of feeling that the sales department has fallen down on the job. Overproduction is a real factor in the control of stale returns. The sales department can aid by intelligent ordering and distribution of goods to the near-set possible requirements of each customer served. Placing a limit on the stales a salesman is permitted to return is impractical, but this kind of control means trying to remove the effect without getting at the cause.

THE BREAD EXHIBIT

A bread exhibit, consisting of about 1,000 loaves of bread, of different sizes, shapes and weight, was tastefully displayed. Each loaf bore a tag showing the price at which it was sold, its weight, whether sold by a grocer, retail baker, chain store or house-to-house, and its place of manufacture. Each loaf was bought in the open market for eash, by some one (not a baker) and forwarded to Chicago for the exhibit. This was done in order to afford the bakers attending the meeting an opportunity to see what is being offered to the consumer in approximately 100 different cities.

In the same room with the exhibit is

In the same room with the exhibit is a chart showing the price of bread, month by month, from 1913 through to July, 1931. The high point was in August, 1920, when bread sold at almost 12c lb. There was a drop of 27.7 per cent from 1920 to 1922, and since then another drop of 16 2-3 per cent.

E. SPONSELLER, MARYLAND MILLER, DIES IN HOSPITAL

BALTIMORE, Mo.-Ernest G. Sponseller, of Englar & Sponseller, millers of West-minster, Md., died at the Union Me-morial Hospital, Sept. 16, following an operation. Mr. Sponseller, who was 61 years old, had been engaged in the mill-ing and grain business for more than 30 years. He was a member of the Balti-more Chamber of Commerce. At one time, he was mayor of Westminster. Surviving are his widow, one daughter and one son. President Blackford appointed one son. President Blackford appointed a committee of members of the Baltimore exchange to attend the funeral, which was held Sept. 19.

MRS. MARY S. MILNOR DEAD Mrs. Mary S. Milnor, of Alton, Ill., mother of George S. Milnor, general manager of the Farmers' National Grain manager of the Farmers' National Grain Corporation, died at her home recently. Mrs. Milnor was the daughter of Captain David R. Sparks, founder of the Sparks Milling Co., Alton, Ill. Besides her son, she is survived by a daughter, Mrs. M. A. Reasoner, of Alton, and four brothers, H. B. Sparks, of Alton, C. F. Sparks, of St. Louis; and William L. Sparks, of Terre Haute, Ind., and Edwin W. Sparks, of Montelair, N. J.

COTTON PRICES REACH ANOTHER LOW POINT

Little Attention Paid to Texas Legislature's Curtailment Mensure—Burlap S from Cotton Competition

Bemis Bro. Bag Co.'s cotton goods Bemis Bro. Bag Co.'s cotton goods index, a composite figure reflecting wholesale prices of principal cotton cloth used in hag making, expressed in cents per yard of cloth, is 3.29, as compared with 4.55 a year ago. The Bemis composite figure reflecting duty paid early shipment prices of heavy and lightweight Calcutta burlap, expressed in cents per pound of cloth, is 7.29, as compared with 8.63 a year ago. a vear ago.

New York, N. Y.—After a rise, early in the week, as a result of short covering, prices declined steadily until toward the close, new low levels were established, not only for the current movement hut for many years. The expectations of a constructive announcement of governmental policies toward business generally, did not materialize, but it was still hoped that some practical scheme might come from the White House conferences with cotton men. Various states' measures for crop reduction did not affect the market appreciably, and the trade paid little attention to the action of the Texas legislature restricting cotton to a quarter of the land now under cultivation.

The weekly weather report was one of

under cultivation.

The weekly weather report was one of the most favorable in years, promising speedy advance toward crop maturity. In spite of this advantage for picking and ginning, the harvest was reported to be progressing slowly. County and state agents all over the East reported the quality particularly good, and in most places, unusually free from pests. Opinion was divided on the strength of the holding movement, but many felt regardless of how long farmers would wait for a better market, the crop must move soon.

soon.

August cotton consumption, according to the Census Bureau, was higher than for the same month last year, but was nearly 25,000 bales less than the July consumption of this year. The world mill consumption of all cotton for the 1930-31 season was 22,483,000 bales, as compared with 25,882,000 bales during the previous year, or a decrease of 10.8 per cent. American cotton consumption was 48.5 per cent of the year's total although during the 1929-1930 year. American cotton represented 51.7 per total although during the 1929-1930 year. American cotton represented 51.7 per cent of the world's consumption. Mill stocks of American cotton throughout the world, according to the International Federation of Master Cotton Spinners and Manufacturers, showed a decrease of 5.5 per cent, and were the smallest of any year since 1925.

Japanese and Chinese spinners were aid to be giving close attention to the saut to be giving close attention to the American crop and using little Indian cotton; Liverpool was also a buyer on the lows and covering by Wall Street also was apparent at the bottom. Although export figures for the year were greatly below other years, for the current week they showed an improvement totaling 104,677 hales against 60,061 for the previous week.

BURLAP SALES SLOW

Burlap sales have been suffering from the competition of cotton bags. Lack of business has also kept bag manufacturers from receiving large orders from users. Statistics showed consumption during August to have been 53,477,000 yards against 70,477,000 yards in August, 1930. The entire report of the American association was a depressing influence and sent all Calcutta futures quotations downward. quotations downward.

NEW YORK FEED REGISTRATION

Registration under the New York state feedstuffs law for the six months ended June 30 totaled 251 in the retail category and 393 in the wholesale. Retailers ap-plied for registration of 594 feeds and wholesalers for 1,766. Many retail mer-chants sell their feeds at more than one location, and therefore take out wholesale

GRAIN, FEED DEALERS WILL MEET IN TEXAS

Thirty-fifth Annual Convention Scheduled for Houston, Oct. 12-11—Strong Pro-gram 1s Announced

A program dealing with factors of great importance to the grain and feed dealers of the country has been arranged for the thirty-fifth annual convention of the Grain and Feed Dealers' National Association at the Rice Hotel, Flouston, Texas, Oct. 12-14. Foremost among the topics, of course, will be the effect of the Agricultural Marketing Act and the actions of the Federal Farm Board and its subsidiaries. its subsidiaries.

its subsidiaries.

During the convention, however, time will be given to golf and other recreation. At the close of the meeting, several trips at hargain rates are offered to those attending. Included in these is one to Mexico City. Another is to Cuba. Houston grain, feed, flour and steamship interests have, made extensive plans for the entertainment and comfort of the visitors. The general committee in charge

ship interests have, made extensive plans for the entertainment and comfort of the visitors. The general committee in charge of local arrangements is:

J. M. Lykes, president Lykes Bros., Ripley Steamship Line; H. F. Mengden, vice president Dittlinger Roller Mills Co;
B. M. Bloomfield, vice president and general manager Lykes Bros.-Ripley Steamship Line; George S. Colby, superintendent Public Grain Elevator; H. S. Crawford, assistant general manager Houston Port Bureau; Edmund Pincoffs, president Maurice Pincoffs Co., broker; H. C. Schirmer, secretary Houston Merchants' Exchange; J. V. Neuhaus, vice president South Texas Grain Co; Sigmond Rothschild, president Sigmond Rothschild & Co., cottonseed products; J. Russell wait, director of the port; B. E. Caldwell, vice president and general manager American Maid Flour Mills, and president Houston Merchants' Exchange; Haygood Ashburn, Houston convention and tourist hureau. American Mard Flour Mins, and press-dent Houston Merchants' Exchange; Haygood Ashburn, Houston convention and tourist bureau. The complete program follows:

MONDAY, OCT. 12

Morning Session, 9:30 O'Clock Call to order by President II. A. Butter, Invocation, Dr. William States Jacobs, Address of welcome, Mayor Walter E.

Address of welcome, Mayor Walter E. Monteth.
Address of welcome on behalf of the Houston Merchants' Exchange: Hengden, president.
Response: George E. Booth, first vice president of the Grain and Feed Dealers' National Association, Chicago.
President's annual address: H. Butter, Omaha.
Umaha, to of the secretary-treasurer, Charles Junn, Toledo.

Presentation of booster prizes.

Appointment of convention committees.

TUESDAY, OCT. 13

Morning Session, 9:30 O'Clock Address, "Congress and the Grain Trade". Everett Sanders, former secretary to ex-President Cooldge. Address, "The Cotton Farmer and the Federal Farm Board"; Hon. Russ S. Stor-ling, governor of Texas. Address, "Farm Relief in the United States and Canada"; Asher Howard, Win-inleys.

ibeg. Transportation: Henry L. Goemann, chair-uan, Mansfield, Ohio. Legislation: C. C. Lewis, chairman, But-

falo.
Trade rules: S. P. Mason, chairman,
Sloux City.
Membership: Leo Potishman, chairman,
Port Worth.
Committee on rejected applications: W.
J. Edwards, chairman, St. Louis.

WEDNESDAY, OCT. 11

Morning Session, 9:30 O'Clock

Address, "What Futures Trading Means the Grain and Cotton Trades": James Murray, president Chicago Board of

C. Murray, president Chicago Board of Trade. Address, "The Agricultural Marketing Act and the Cotton Industry": J. W. Evans, cotton merchant and exporter, Houston. Address, "The Feed Industry Today": J. H. Caldwell, Ralsion Purina Co., St. Louis. Crop. tepotts: Ted Branson, chalrman, salua, Kanass. Grain products commuttee: E. C. Dreyer,

Salina, Kanana.

Grain products committee: E. C. Dreyer, charman, St. Louis.
Uniform grades: J. M. Rankin, chairman. Cambridge, Neb Arbitration uppeals committee: W. W. Manning. chairman, Fort Worth.
Reports from the six arbitration committees and the feed arbitration committees.
Uninished business.
Reports of convention committees.
Election and installation of officers.
New business.
Adjournment.

ENTERTAINMENT

Sunday, Oct. 11. Re-option committee, Rice Hotel.

FOR THE LADIES

FOR THE LADIES

Monday afternoon, Oct. 12: Luncheon
and bridge party at the River Oaks Country Club.

Monday evening, Oct. 12: Sea food and
chicken dinner at the San Jacinto of an
Tucsday afternoon, Oct 13: Luncheon asbridge purity at the Houston Country Club.
Tucsday evening, Oct. 13: Dinner dance,
River Hotel, 9 p.m.

FOR THE MEN

Monday afternoon, Oct. 12: Golf tourna-

ment
Monday evening, Oct. 12: Sea food and
chicken dinner at the San Jacinto Inn.
Tuesday afternoon, Oct. 13: Golf tournament.

the Rice Hotel, 9 p.m.

SILVER ANNIVERSARY FOR RED STAR MILLING CO.

WICHTA, KANSAS.—The Red Star Milling Co., Wichita, unit of General Mills, Inc., has been celebrating its twenty-fifth anniversary by a campaign among the housewives of Wichita to stimulate sales of the Red Star brands. On Sept. 19, a silver knife or fork and a book of recipes were given with each 21-lb sack of flour purchased.

purchased.

The mill again began operating its immense 450,000,000 candlepower flashlight, which is stationed on top of one of the mill units. This light can be seen for miles. For the past year it has not been in outeration.

for miles. For the past year it has not been in operation.

The Red Star company was organized in 1905, but did not begin operating until 1906. It was operated with indifferent success until 1908 when L. R. Hurd become president and manager. Under his management the business commenced immediately to grow.

immediately to grow.

During the 25 years the number of units has increased from one to three, the milling capacity from 350 bhls to 4,500 bbls daily, the storage capacity from 125,000 bus to its present capacity

of 4,250,000 bus.

The Red Star Milling Co. employs approximately 200 Wichita people. The

officers are prominent Wichita citizens who have played an important part in the development of the city. On the death of L. R. Hurd his son, Roger S. Hurd, became president of the company. The other officers are: George E. King, vice president, and J. B. McKay, secretary and treasurer.

The success of the Red Star Milling Co. is attributed to the undeviating adherence to the policy laid down by the late L. R. Hurd that Red Star flour must be the best possible flour for any mill to manufacture.

In June, 1928, the company became a unit of the General Mills, Inc.

JAMES FRITZINGER DEAD

Physician, Pa.—James Fritzinger, for many years engaged in the baking bu-ness at Walnutport, Pa., died recently in the Allentown, Pa., hospital, following an operation. He was 73 years of age and was widely known to the trade.

BOBBITT PATENT SUIT IS OPENED AT KANSAS CITY

R. L. Bobbitt's suit against the Midland Flour Milling Co. for alleged infringement of patent on the long-cone type of eyclone dust collector was tried before Federal Judge Reeves in Kansas City, Sept. 10-11. The Millers' National Federation, which assumed the defense of the suit, presented evidence to show that the three-to-one ratio of length to breadth of cone, upon which Bobbitt's patent was based, had been used extensively long prior to the date of amolicatively long prior to the date of amolicapatent was based, had been used exten-sively long prior to the date of applica-tion for patent, and it contended there-fore that the patent is invalid. Attor-neys were instructed by the court to file briefs and to argue the case, Oct. 15. A decision is not expected for some time after that date. Many mills use the type of dust collector involved in this suit, and the outcome will be of great importance to the industry and to other

50 per cent white flour contained 106 per cent more protein, 33 per cent more fat and 140 per cent more salt-and-leavening-free ash as well as 18 per cent less carbohydrates than did the biscuits made of white flour only. Further experiments conducted in our laboratory with wheat germ in the making of cake showed that as much as 15 to 25 per cent of the germ (on the basis of the flour content) could be used with success. Wheat germ would be especially valuable in making cake, where egg white only is used, as it would supply many of the elements found in egg yolk, heside giving to the cake a very pleasing flavor. Cake of this kind made with wheat germ and egg white (instead of whole egg or egg yolk) has a somewhat coarser texture, will larger cells, but when cut and kept in a cake hox for a week was still sufficiently fresh to be palatable. Such cake containing 25 per cent of wheat germ has 29 per cent more protein, 95 per cent more salt-and-leavening-free ash than one made from white flour alone.

ISES IN BAKED PRODUCTS

Wheat germ, therefore, can play an excellent role in helping to dispose of the excess of egg albumen now found on the market. The Bureau of Home Economies has already shown that wheat germ can be used to make numerous baked products, such as bread, biscuits, brown bread, gingerbread and cookies. It can be used in making doughnuts, pie crust, and in fact almost any kind of baked products. In toasted form (in which condition its keeping quadities are enhanced) it can be used a a component part of self-rising flour.

In England, several breads made commercially contain as much as 25 per cent wheat germ. Some of these breads are finding favor in this country and in Canada.

Canada.

The one serious feature about wheat germ is its reputed poor keeping quality. While wheat germ is in fact a perishable product, it is not nearly so perishable as scores of other foods found regularly on the market. That this product can be handled commercially is evident from the fact that a well-known proprietary food which is being imported from England for use in special dent from the fact that a wear-smooth proprietary food which is being import ed from England for use in special dietary cases is essentially wheat germ. The milling industry is so well distrib-uted in this country that it should be possible to supply wheat germ to the general public in such quantities as to obviate any considerable loss by spoil-

HEATING WILL PROVENT SPON AGE

Heating wheat germ is one means of preventing spoilage. A recent patent for this purpose is based upon the use of a temperature of 136 to 128 degrees Fahrenheit for eight hours in a partial vacuum. To what extent this heat destroys the vitamins is not at present known. However, according to Kirkland, wheat germ will keep for six months before becoming rancid, especially if kept in a cool, dry place, A sample of wheat germ has been kept in an electric refrigerator in our laboratory for nearly four months, without any apparent cleange.

parent clonge.

Food Research Division, Bureau of Chemistry and Soils, United States Department of Agriculture WHEAT germ has always been recognized as a most recognized. ognized as a most valuable poten-tial food material, though, because

The Use of Wheat Germ as a Human Food By J. A. LeClerc and L. H. Bailey

of its reputed bad keeping qualities, it has until recently found relatively little use commercially as a human food.

The wheat kernel consists essentially of the following components: bran, in-

of the following components: bran, including the alcurone layer, 12 to 13½ per cent; endosperm, 84 to 85 per cent; germ, 1½ to 2 per cent. In the normal process of milling wheat into flour the germ (except in the case of whole wheat flour) is lost entirely as a human food, being mixed with the shorts, feed middlings and red dog, all of which are feedstuffs. Such feeds are sold at the present time for less than 1c lb. present time for less than 1c lb.

Theoretically the miller should obtain from .9 to 1.2 lbs wheat germ per bu of wheat. This means that in the manufac-ture of 125,000,000 bhls flour (the yearly output of the mills of this country) some 250,000 to 275,000 tons of germ would be obtainable. Practically all this germ is at the present time mixed with feeds which are sold for \$10@12 ton. Thus the miller is obtaining for the germ considerable laws them \$200,000. erably less than \$5,000,000.

On the other hand, if the mills of this country could separate for food pur-poses only one half of the theoretical poses only one half of the theoretical yield of germ, or say 125,000 tons, the sale at only 10c lb would amount to \$25,000,000. At 20c lb the return would be \$50,000,000, or approximately half as much as the miller now gets for his entire feed output. It is quite evident, therefore, that here is another potential source, of revenue for the millers. source of revenue for the millers.

HAS HIGH NUTRITIVE VALUE

Wheat germ has a high nutritive value. The average percentage composition of six samples of commercial germ as analvzed in this laboratory follows: moisture, 11; protein, 27.2; fit, 10; fiber, 2.5; ash, 4.3; nitrogen-free extract, 45. This indicates that wheat germ is the most nutritious part of the wheat berry, rich in fat, protein and minerals. It is the prevailing opinion that wheat germ stands high in the quality of its proteins. According to McCollum, Simmonds and Pilz, the protein of the wheat germ is more valuable, then they of the germ is more valuable than that of the protein of white flour. Alpers (Chem. Zig. 42, 37, 1918) has shown that the gg. 12, 34, 1918) has shown that the germ contains 24½ per cent lecithin, while Power and Salway (Pharm. Jour. 91, 117, 1913) found in the germ sitosterol and cholin among other organic compounds.

Wheat germ contains some of the most essential vitamins, viz., A, G and B, being an excellent source of the latter. ing an excellent source of the latter. Experiments conducted by the Bureau of Home Economics showed that when wheat germ was fed for a period of five months to pellagric families in South Carolina, the general appearance and health of those people improved.

CAN BE EATEN RAW

Wheat germ has an excellent flavor and if need be could be consumed in the raw state, thus supplying intact to the human organism all the essential elements it contains. In recent experiments conducted by Morgan and Barry (Am. Jr. Discasses Children 39, 935, 1930), in one of the schools of Berkeley, Cal., it was shown that when the germ was administered to children in the form of rolls made up of 50 per cent germ and 50 per cent white flour, the children re-

ceiving the rolls containing germ in creased in weight three times more than those fed the white flour roll.

According to private communications wheat germ is now being used by breeders of fur bearing animals, especially for foxes, on account of its reputed content of the white testic site of the content of the paintent of the pain

of the anti-sterility vitamin E.

Baking powder biscuits made in our laboratory with the per cent germ and

EASTERN DEALERS SELECT SYRACUSE FOR CONVENTION

The midwinter convention of the East ern Federation of Feed Merchants will be held at Syracuse, N. Y., Feb. 23-24. Headquarters will be at the Osondaga Hotel. Details of the convention pro-gram have not yet been arranged, but will include talks on the latest developments in the trade, a retail business clinic, and a trade welfare conference. President F. M. McIntyre will appoint a committee to arrange the details of

the program.

The federation plans to hold about 20 district meetings during the week of Sept. 21-26. The meetings will be in charge of members of the board of governors in each district. A drive to en-roll more members also will be made

J. O. Doty, recently elected president of the Mutual Millers & Feed Dealers' A self-ton, has been appointed member of the board of directors of the federation. The Mutual Millers' association is with the federation.



Readers who are interested in markets for feeds, feeding grains and hay, and in information about the manufacture and distribution of feeds beyond the necessarily condensed market summaries given in this department, are invited to subscribe to FEEDSTUFFS, a feed newspaper issued every Saturday by the publishers of The Northwestern Miller. The subscription price is \$1.00 per year, or 50 cents per year to regular subscribers to The Northwestern Miller. Sample copy on request.

Feed Market Ouiet and Lower

FEED markets were quiet and dull at mid-September with small offerings in slow demand. Homegrown grains are so cheap and plentiful that consumption of commercial feeds has been limited. Central western and eastern pasturage deteriorated considerably with the recent heat wave. Prices of wheat feeds, linseed meal, alfalfa meal and hominy feed showed little change from a week ago, but cottonseed meal and gluten feed and meal were lower. The decline in the latter feeds carried the index of feedstuffs prices for Sept. 15 to a new low for the season of 47.7 per cent as compared with 48.6 on Sept. 8. A month ago index stood at 51.9 and the September, 1930, average was 96.6.

WHEAT MILLFEED

WHEAT MILLFEED

Very few price changes were made in wheat feeds during the week. Spring wheat bran held practically unchanged, but standard spring wheat middlings were 25c@\$1 higher than a week ago. Soft winter wheat bran was 25@\$50 higher, but the heavier offal was unchanged. Prices of hard winter wheat were irregular, but averaged about unchanged from last week. The light offerings apparently have been equal to the slow demand. Production of offal as suggested by flour production at the principal milling centers underwent a sharp reduction within the week and is considerably under a year ago.

Small offerings of spring wheat feeds tended to maintain prices at Minneapolis where demand was rather inactive. Local mills were reluctant to offer wheat feeds in volume either for prompt or later shipment. Standard spring wheat bran continued at a premium over hard winter wheat bran at Chicago. The situation at Buffalo was rather firm with a fair demand for bran and a rather urgent inquiry for standard middlings and the heavier feeds, particularly for near-by shipment. Offerings at that market were light with mills sold shead and operating at only about 75 per cent of capacity. Soft winter wheat bran was slightly higher but trading at Cincinnati and St. Louis was of very small volume.

Hard winter wheat feeds averaged about unchanged with very few new features at the principal markets. Consuming demand for bran and shorts was light at Kansas City and was mostly from the small country dealers in widely scattered sections, including Wisconsin, Minnesota and the Dakotas. Inquiry from mixers was of small volume. Kansas City millers were operating at a lower percentage of capacity and continued to apply good amounts on mixed car orders with flour and on previous contracts. Demand for all kinds of feeds was light in the Southeast where good quantities of homegrown feeds are available.

LINSEED MEAL

Linseed meal prices were fairly well maintained, but the volume of trading was very light. Linseed meal is now relatively high priced in comparison to cottonseed meal and gluten feed. Disparity in price reflects the small flax crop, which on Sept. 1 was forecast at 11,769,000 bus, compared with the five-year average harvest of 20,917,000 bus.

COTTONSEED MEAL

Cottonseed meal prices continued their downward trend. Spot demand was very light at Memphis, and offerings became more plentiful. Demand for cotton-seed meal was but fair at Atlanta. While takings by fertilizer interests, especially in trucking areas, were fair, demand was reduced by the agitation for cotton acreage reduction. Practically no meal is being offered by mills in and around Atlanta for

in trucking areas, were fair, defining was reduced by mills in and around Atlanta for reduction. Practically no meal is being offered by mills in and around Atlanta for future delivery.

Production of cottonseed cake and meal during August totaled only 28,200 tons, compared with 76,100 tons for August, 1930. Shipments into domestic and foreign trade channels this past August totaled 72,100 tons, compared with 88,300 tons a year ago. Mill stocks of cake and meal at the close of August totaled 106,300 tons, compared with 43,100 on Aug. 31, 1930, however, supplies of cotton seed at mills at the close of August were only about one third as large as a year ago.

ALFALFA MEAL

Alfalfa meal prices showed little change during the week. Alfalfa meal production in the United States during August, 1931, totaled 15,678 short tons. The August grindings were only 53 per cent of the 29,583 tons produced in that month last year and 54 per cent of the August, 1929, outturn. Approximately 34,900 tons of meal were in store at mills at the first of August. This, together with the month's grindings, made an aggregate supply for August of approximately 50,600 tons. Stocks at the close of August were about 38,500 tons. Domestic consumption accounts for most of the difference of 12,100 tons, since exports in recent months have been relatively small. Exports during July totaled 101 short tons. Statistics of August exports are not yet available.

CORN BY-PRODUCT FEEDS

Gluten feed and meal prices underwent a reduction of \$3 ton, but demand did not appear to improve at the lower prices. Offerings continued liberal at most markets. Production has been maintained at an unusually low level as wet process corn grindings from which gluten feed and meal are by-products totaled only about 4,700,000 bus during August, the smallest monthly corn grine/ings for that month since 1918 and the smallest for any month since July, 1924. Gluten meal continues to sell at \$3 premium over gluten feed. Hominy feed prices were only slightly lower with yellow still maintaining a premium over white.

Financial News Depresses Wheat

Financial News Depresses Wheat

THE sharp declines in securities and the unsettled financial news from abroad outweighed all other factors, and wheat futures broke to new lows at the end of last week, recovering somewhat afterward. Export inquiry continued slow, and the failure of world prices to respond to strength here early last was constructive, and some attention was paid to war reports from Manchuria and to another substantial decrease in the visible supply.

Most of the present surplus is in North America, Australia is almost sold out, while the remaining Argentine wheat is said to be of low grade. Russian shipments continue at a much heavier rate than last year, but there is much evidence to interest that movement from that country will drop off soon. The spring wheat crap there is reported to be disappointing, and shipments so far have consisted of winter wheat grown near senhourd points. World's shipments last week totaled 19,200,000 bus, compared with 18,233,000 a year ago. Russia supplied \$5,040,000, compared with 2,768,000 a year ago, and North America 7,817,000, compared with 10,995,000. Stacks on passage increased 1,512,000 bus.

With acreage much reduced in the southern hemisphere, and indications of a sharp reduction in winter wheat plantings in the United States, it looks as if the production worm has tured. The drop in domestic production may be greater than expected in view of the dry condition of the soil in the Southwest. Good rains are needed in that section to prevent further curtailment of acreage.

Domestic marketings continue smaller than last year, being about three fourths of the totals a year ago. Southwestern movement increased a little, but spring wheat marketings are much helow a year ago, due to the small crop. Some observers attributed the southwestern increase to the higher prices a week ago, in which case they probably will subside again. The visible supply declined 1,372,000 lus, making the total 233,132,000 compared with 202,260,000 a year ago. Canadian visible supplies in

thin a year ago.

The break in wheat futures brought to a stop the rather spectacular advance in wheat premiums. Early last week high protein samples at Kansas City brought 5@21c over ordinary grades. For the week, the lower end of the range showed declines of about 1c compared with futures, while the top gained 1c. Mill huying was active. At St. Louis, soft winters were relatively strong, gaining about 1c compared with the option. Weakness appeared in premiums at Minneapolis although high protein samples continued in good request. As a whole, the spring cash market dropped about 2c more than futures. Mill huying slackened.

CORN There was an unsettled tone to corn futures during the past week, due to uncertainty regarding deliveries on September contracts. The trend was downward, in line with other grains. Some strength was attributed to further deterioration of the new crop due to hot weather. Receipts continue moderate, being less than half of those a year ago. The visible supply declined 1,121,000 hus, making the total 6,284,000, compared with 4,963,000 a year ago.

The general grain weakness could not be withstood by oats futures, but prices did not decline as much as in other grains. Cash demand is fairly active for light offerings. Primary receipts last week were about one half those of a year ago. The visible supply declined 428,000 hus, making the total 14,819,000, compared with 30,092,000 a year ago.

Most of the rye news is bullish, but the general conditions in world markets were responsible for a price drop. There is fairly good cash demand for milling grades, while offerings are light, a reflection of the short crop. The world crop is estimated to be about 140,000,000 bus smaller than last year. There is some indication of an improvement in the export outlet. France hought some Canadian rye last week. The visible supply declined 76,000 bus, making the total 8,629,000, compared with 15,644,000 a year ago.

BARLEY

The general price decline did not affect barley futures so much, because of the agitation about the return of legalized beer. There is a fairly active cash demand for continued light offerings, with multsters active in the market. Shipping sales are slow. The visible supply increased 20,000 bus, making the total 4,174,000, compared with 11,100,000 a year ago.

Flaxseed markets weakened with others. Cash demand is only fair. Buenos Aires prices have been weak, due to generally favorable progress of the new crop and unsettled conditions in world markets. Receipts at Minneapolis and Duluth amounted to 758,000 bus, compared with 1,381,000 a year ago. Stocks increased 255,000 bus, making the total 1,300,000, compared with 1,538,000 a year ago.

Millfeed Markets in Detail

CENTRAL WEST

Chicago.—Demand shows some improvement, mixers mostly interested; supplies light; trend slightly easier. Quosupplies light; term signal classer. Quotations, per ton, basis car lots, Chicago, in 100-lb jutes: spring bran \$11.50@12, hard winter \$11.25@11.50; standard middlings \$12.50@12.75, flour \$14.@14.50; red dog, \$16.50.

red dog, \$16.50.

Milwaukse.—The decline of \$3 on gluten feed has a tendency to retard the huying of millfeeds; bran prices about unchanged, no pressure on the market; middlings prices are in line for shipment to eastern territory. Quotations, per ton, basis car lots, Milwaukee, in 100-lb jutes; durum bran \$10.25@10.75, standard \$10.75@11, pure winter wheat \$11.50@12, standard spring wheat \$11.611.50, pure spring wheat \$12.50@13; standard fine middlings \$12.25@12.50, flour \$14@14.50; red dog, \$15.50.60.13; second clear flour, \$18@18.50; rye middlings, \$10@11.

St. Louis.—Demand light; supplies not

St. Louis.-Demand light; supplies not st. Louis. Tennant and are active, with the consequence that sales are hard to effect and at the same time feed is hard to buy. Quotations, per ton, basis car lots, St. Louis, in 100-lb jutest bran, \$9.500.938; brown shorts \$10.25@10.50, gray \$10.50@10.80.

THE NORTHWEST

Minneapolis.—There is very little demand for niillfeed, and prices are about 50c@\$1 lower than a week ago. Supplies are light, and some city mills are not offering. Mixed car trade is absorbing a large part of the production. Country mill offerings are small. Any improvement in demand probably would result in higher prices, since offerings are so light. Bran is quoted at \$9.50@ to standard middlings \$10@10.50, flour middlings \$12@12.50, red dog \$14@15.50.

standard middings \$10@16.30, nour middlings \$12.60, red dog \$14@15.50.

Duluth.—Demand limited; supplies are light; trend steady. Quotations, per ton basis car lots, Duluth, in 100-lb jutes, bran, \$10.50; standard middlings \$11.50. flour \$15; red dog, \$18.

Des Moines.—Demand somewhat at standstill; supplies adequate; trend unchanged. Quotations, per ton, bear lots, Des Moines, in 100-lh jutbran, \$11.50@14; gray shorts, \$13@18; flour middlings \$16@21, standard \$147; red dog, \$18@23.

THE SOUTHWEST

Kansas City. Demand light; offering not pressing, but are plentiful enough supply all needs; no interest shown in forward position. Quotations, per topological description.

hasis car lots, Kansas City: bran, spot and immediate shipment, \$8@.8.50; gray shorts, \$9@.9.50; brown shorts, \$8.75. The latter are very scarce, because mills are not making any red dog, which is quoted at \$16@16.50.

Atchison.-Demand fair; values have eased. Quotations, per ton, basis car lots, Atchison: bran, \$8.50; mill run, \$9; shorts, \$9.75. Millers are having no trou-ble in disposing of their output.

ble in disposing of their output.

Oklahoma City.—Millfeeds are moving fairly well with enough surplus being accumulated by mills to supply brun in straight ear lots where required; the mixed ear trade is being taken care of without resorting to outside shipments; prices remain firm. Quotations, per 100, 50c; shorts, 60c.

Omaha.—Demand good; supplies light; trend downward. Quotations, per ton, hasis ear lots, Omaha, in 100-lb jutes: standard hran \$86.8.25, pure \$8.50@8.70; brown shorts \$10, gray \$10.50; flour middlings, \$12; red dog, \$16@16.50.

Denver.—Demand improving slightly; supplies ample; trend stationary. Quotutions, per ton, basis car lots, Denver, in 100-lb jutes: red mill run \$12, white \$18; gray shorts \$18@20, white \$20@22.

Wichita,-Demand improved; trend is steady; prices unchanged. Quotations, per ton, basis mixed car lots, Wichita: hran, \$9; mill run, \$9.50@11; shorts, \$10

Hutchinson.—Demand light: supplies not burdensone; trend steady; buyers willing to take hold at concessions, which most mills are unwilling to make. Quotations, per ton, basis car lots, Kansas City, in 100-lh jutes: hran \$8.50, mill run \$9.50, gray shorts \$10@10.50.

Salina.—Demand light; supplies ample; values about 50c lower; local mills run only part time; interest in deferred shipment small. Quotations, per ton, hasis car lots, Kansus City, in 100-lb jutes: bran \$8.50@8.75, shorts \$10.50@11, prepurt shipment. prompt shipment.

Dallas.-Demand improving; supplies ample; trend steady. Quotations, per 100 lbs, basis car lots, delivered, Texas points: bran, 57@ 59c; brown shorts 72 @74c, white \$1.06@ 1.09.

Fort Worth .- Demand fair; supplies rort worth.—Demand fair; supplies moderate; trend firm; mills sold well ahead; spot offerings scarce; no pressure; few mills running full time. Quattations, per 100 lbs, hasis car lots, in jutes: whent bran 60c, gray shorts 70c, delivered, group No. 3.

THE EAST

Buffalo,—There is a good demand for October, November and December, with nulls hesitant about committing them-selves on account of the relatively smallselves on account of the relatively smaller flour production and the fact that they cannot afford it. There has been some booking of mixed cars at a premium for November and December. Quotations, per ton, basis car lots, Buffalo, in 100-1b jutes: standard bran, 813; standard middlings \$13.75, flour \$176/17.75; second clear, \$21; red dog, \$19; heavy mixed feeds, \$18.50@18.75. New York.—Demand is slightly improved; supplies moderate; trend firmer, although there still is some reselling under mill prices. Quotations, per ton, basis car lots, New York, in 100-lb jutes: bran, \$1.806 [18.30], middlings, \$18.306 [18.80]; red dog, \$23.306 23.80.

Boston.—Demand slow; supplies mod-erate; trend firmer. Quotations, per ton, erate; trend firmer. Quolations, per ton, basis car lots, Boston, in 100-lh jutes: spring bran \$17.50@18, winter \$17.50@18; middlings, prompt, \$18@19; wheat mixed feeds, \$20@24; red dog, \$24@24.50 24.50

Baltimore.—Demand narrow: supplies ample; trend sensitive to changes; with less competition of Canadian, a steadier stendier tess competition of Canadian, a steader tone prevails; middlings relatively finner than bran. Quotations, per ton, hasis car lots, Baltimore, in 100-lb jutes; spring wheat bran \$16.50@17, winter \$17.50@18; standard middlings \$17.50@ 18, flour \$19@20; red dog, \$22.50@23.

18, flour \$19@20; red dog, \$22.50@23. Philadelphia.—Demand light; supplies small; trend irregular. Quotations, per ton, basis car lots, Philadelphia, in 100-lb jutes; bran, standard spring \$16.50@. 17, pure \$17@17.50, pure hard winter \$17@17.50, soft winter \$17@18; middlings, standard \$17.50@18, flour \$19.50@.22; red dog, \$22.50@23.50.

Pittsburgh.-Demand improved; Pites birgh.—Defining improved; supplies liberal; trend steady. Quotations, per ton, basis car lots, Pittsburgh, in 100-lb jutes: spring wheat bran, \$14.50@.15; standard middlings \$15.50@.15.75, flour \$17.50@.18; red dog, \$20.75@.21.75.

CENTRAL STATES

Toledo.—Demand light; trend downward. Quotations, per ton, basis car lots, Toledo: soft winter wheat bran, \$11@ 11.75; mixed feed, \$12.25@ 12.75; flour middlings \$12.75@14, standard \$12.

Cleveland .- Demand light; supplies Cleretand.—Demand agnet supplies ample; trend steady. Quotations, per ton, basis car lots, Cleveland, in 100-lb jutes; bran, bard winter wheat \$11.056, 11.25, soft winter \$146,11.50, spring \$14 & 015.25; standard middlings \$14.50@ 15.75, flour \$15.75@ 17.30; red dog, \$20.40.

Evansville.-Demand steady; supplies ample; trend firmer. Quotations, per ton, basis car lots, Evansville, in 100-lb jutes: bran, \$12; wheat mixed, \$13; shorts, \$14.

Cincinnati.—Demand fair; supplies are plentiful; trend steady. Quotations, per ton, basis car lots, Cincinnati, in 100-lb jutes: bran, soft winter wheat 813@ 13.50, hard winter \$13@13.50; middlings,

SUMMARY OF MILLFEED QUOTATIONS Milifeed quotations reported by wire Tuesday, Sept. 22, based on carload lots, prompt delivery, per ton, packed in 100-1b sacks:

Spring bran

in 100-15 sacks:

Chicago Minneapolis Kansas City St. Louis Baltimo.
\$11.50 * 12.00 \$9.50 * 10.00 \$16.50 * 1

. 11 25 9 11.50 \$5.50 * 10.00 \$5.00 \$16.50 * 1

Shorts

3 11.09

standard spring wheat \$14.50@45.50, flour \$16.50@47.50, soft winter \$15@ 15.50; gray shorts, \$14.50@415; red dog, \$19.50@20; wheat mixed feed, \$13.50@44.

\$19.50@20; wheat mixed feed, \$13.50@11.
Indianapolis.—Demand slow: supplies
ample: trend about steady to unchanged.
Quotations, per ton, basis car lots, indianapolis, in 100-lb jutes: soft winter
wheat hran \$13@13.50, standard middlings \$13.25@13.50, mixed feed \$13.50
@13.80, flour middlings \$11.50@11.80, red
dog \$19.75@20; spring wheat hran \$12.75
@13, standard middlings \$13@13.50, flour
middlings \$15.00, red dog \$20@20.25.
Columbus.—Demand mixet smaller.

middings 815@ 16.50, red dog 820@ 20.25. Columbus,—Dennard quiet; supplies fair; trend steady. Quotations, per ton, basis car lots, Columbus, in 100-lb jutes; spring bran \$16.50@17, hard winter \$15.50@16, soft winter \$16@16.50; stand-ard middlings \$17@17.50, flour \$19.50@ 20; red dog, \$21.50@22.

THE SOUTH

THE SOUTH

Memphis.—Despite failing pastures, demand light as other feed crops large and heing saved in unusually good condition. Quotations, per ton, basis carlots, Memphis, in 100-lb hurlaps: wheat hran, \$12; gray shorts, \$13.

Nashville.—Demand is moderate; supplies fairly liberal; trend shade easier. Quotations, per ton, basis car lots, in 100-lb jutes: wheat hran \$146-15, middlings \$15.50@16.50, f.o.b., Ohio River stations; soft wheat bran \$106.13 standard mid-

soft wheat bran \$10@.13, standard mid-dlings \$11@.15.

PACIFIC COAST

Seattle. Demand about steady Scattle. Demand about steady to slightly stronger. North Coast demand moderate, but that from California is stronger on account of drouth conditions there; trend steady to slightly stronger. Quotation, per ton, basis car lots, coast, for Washington standard mill run, 812 (a 12.50.

Portland.—Demand slow; supplies ample; trend weak; no speculative buying, pending filling of farm board China flour order. Quotations, per ton, basis car lots, Portland, in 100-lb jutes; standard mill run, \$12.50; middlings, \$17.50.

Ogden.-Demand stronger, supplies of ed bran and mill run normal; white red bran and mill run normal; white bran scarce, due to nondelivery of soft white wheats by farmers; trend higher. Quotations, per ton, basis car lots; to California, red bran and mill run \$17, blended \$18, white \$196a;20, middlings \$25, f.o.h., San Francisco and other Cali-fornia points; to Utah and Idaho, red

9.00 2 9.50

Middlings

.. 9 22.09

bran and mill run \$11, blended \$12, white \$130 15, middlings \$19, fo.b., Ogden. Son Francisco.—Demand very slow; feeding is heavier, but dealers are using Son Francisco. Demand very slow; feeding is heavier, but dealers are using stocks on hand; buyers are awaiting development of the millfeed program in connection with the Chinese flour deal with the Federal Farm Board; it is rumored that the millfeed so produced will be offered largely in California, in which event the price structure would be materially changed. Quotations, per ton, basis car lots, draft terms, San Francisco: Kansas bran, 8196-20; Ogden white mill run, 818.506-19, red \$166-1656, blended \$16.506-17; northern red and standard mill run \$11.750-15.50, white bran and mill run \$176-17.50, low grade flour \$22.0-23.

Los Angeles. Demand slow; supplies

nour \$22.0 23.

Los Angeles.—Demand slow: supplies ample; trend lower; demand has practically offset production. Quotations, per ton, hasis car lots, Los Angeles, in 80-th jutes; local and Utah-Idaho mill run, red \$15.6 16, blended \$16.6 17, white \$17.6 20; northern standard mill run \$146-15, dock, Wilmington; Kansas bran, \$19.6 21.

CANADA

CANADA

Toronto.—Production is increasing, and there is a good demand for all that mills have to offer; list prices are unchanged. Quotations, per ton, basis mixed cars; bran \$13, shorts \$16, middings \$21, net cash, bagged, delivered, Toronto territory.

Montreal. Demand light; trend steady. Quotations, per ton, basis lots, Montreal, less 25c for cash; bran, 815.25; shorts, 816.25; middlings, 823.25.

Winnipeg. Demand moderate; supplies plentiful; trend steady. Quotations. plies plentiful; trend steady, Quodations, per fon, basis car lots, Winnipeg, in 100-lh jutes: Manitoha and Saskatchewan, bran \$13, shorts \$14; Alberta, bran \$14, shorts \$15; small lots ex-country eleva-tor warchouses \$2 extra; middlings, \$22.

Paneouver, Demand only fair; supplies pressing; trend steady to higher. prices are expected to go up about \$2 in October. Quotations, per fon, basis car lots, Vancouver, in 100-lb jutes; bran, \$16; shorts, \$17, middlings, \$23.

SCREENINGS

Minneapolis, Demand light, despite limited offerings; prices unchanged. Ele-vator dust, 810/150; Canadian refuse and domestic screenings of similar qual-ity, 83604; seeds, 84606; flaxseed, 87009. Mixed feed oats, 150017c bm.

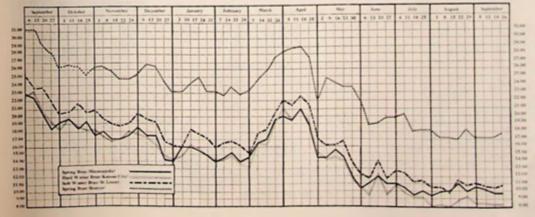
Western Canada-Visible Grain Supply

and alipments during the past week is buckels (%% omitted):

Fort William and				
Port Arthur-	Wheat		Barbey	Flax
Public terminals	2,719	195	119	5.2
Semi-public ter-				
minals	32,269	2,495	4.312	447
		market at		
Totals	34.938	2.250	4,512	153
Int. term. elecs	97	101	21	1
Int. pri and mfg.				
	5.252		1,119	
elevatora			1,924	42
Lountry electrics	11,579	4,128		230
Vancouver	7.301	8.5	17	
Prince Rupert	- 7			4.6
		-	-	
Totals	92,921	7,926	8,023	778
Year age	100,212	5,819	21,192	541
Receipts during	week-			
Ft. WmPt. Ar.	5.817	550	423	18
Int. term, eleve	19	2	4	4.0
Int. prt. and mig.				
elevators	1,362	155	210	10
Country elevators	15,419	N37	461	56
Vancouver	408	16	1	
A STOCKER	275			
-			1 444	-
Totals	23,426	1,516	1,059	54
Shipments during				
Ft. WmPt. Arth				
Luke	2,913	168	124	
Rad	24	- 59		
Int. term, eleve	16	15		20
1st, pri, and mfg.				
elevators		157	8.0	
Country elevators		729		27
Vancouver-	-	7.77		
	652			
Ocean			4.0	19.0
Rail	- 5	**		
				-
Totale	11,311	1,078	523	25
TOT.	AL RES	PITT.	10.	
Ame	1-Sept.	16. 11	171	
FL Wat Pt. Ar.	22.852	3 560	1.245	114
P. WHILLY AF	7 474	27.00	1,000	2,77
Vancouver	2,622	2.0	-	
min m s	L allii	VALUE NO.	r a	
Ann	1. Ment.	18, 19	911	

Ft. Wm.-Pt. Ar., 23,972 1,808 2,004 Vancouver 2,925 89

Range of Bran Prices



19311 b. 1 .
March 1
April 1
May 1 .
June 1 .
July 1 .
Aug. 1 .
Week .
Sept. 5 .

| With center | With center | Week | Changes |

Totals ... 355,533 +1,089 336,621
United Kingdom port atocks and
floating supply (Broomhall)—
Totals ... 462,500 +2,600 19,400
American and United Kingdom
aupply—
Totals ... 418,033 +3,689 386,021

CORN-United States and Canada-Totals 7.603 --668 4,986 OATS-United States and Canada-Totals 25,997 +1,332 38,188 *East of Rocky Mountains. tWest of Rocky Mountains. 1Continent excluded. Combined aggregate wheat visible sup-plies, as shown by Bradstreet, follow, in bushels:

.242,846,000 10,292,000 253,138,000 .241,125,600 10,269,000 251,394,000

Totals, U. S. and Canada

Flour and Grain-Receipts and Shipments Receipts and shipments of flour and grain at the principal distributing centers for the week ending Sept. 19, as compiled by the Daily Trade Bulletin', flour given in barrels, grain in bushels (000's omitted throughout):

RECEIPTS Flour Wheat Co 201 541 43 1,099

29

160

447

158

1,232 78 29

381 1.566

93 2.001 283

461

195 1,033 19

542 7,100

65 12,424

607 9,521 1,612 1,422 639 8,236 1,330 516 830 13,736 2,049 1,696

*Some allowance should be made for duplications. †Includes \$65,000 bus bonded.

SHIPMENTS

107

8.907 1.525

55 60

819

1.547

1.607 1,826 3,145

59 22

13

Chicago
Detroit
Duluth
Indianapolis
Kansas Ciry
Milwaukee
Minneapolis
Omaha
Peoria
Sioux City
St. Joseph
st. Louis
Toledo
Wichita

Totals Seaboard— Baltimore

Totals

Primary—
Chiengo
Duluth
Duluth
Indianapolis
Kunsas City
Milwaukeo
Minneapolis
Omaha
Peoria
Stoux City
St. Joseph
St. Louis
Toledo
Wichita

Totals
Seaboard—
Boltimore
Galveston
New York
New Orlowns
Philadelphia

Totals

Grand totals ... Last week Last year

251,394,000 U. King dom and afloat* 49,000,000 71,000,000 60,000,000 57,000,000 57,800,000 48,500,000

GRAIN FUTURES-CLOSING PRICES

Bradstreet's Weekly Visible Grain Supply Bradstreet's Weekly Visiole Urain supply Following are Bradstreet's returns of stocks of wheat held on Sept. 12, in the United States, Canada and the United King-dom, and the supply on passage for Europe; also the stocks of corn and of oats held in the United States and Canada, with com-parisons, in bushels (000's omitted): Closing prices of grain futures at leading option markets, in cents per bushel:

		WHEAT				COL	N-CONTIN	NUED	
	Ch	iengo		apolis		Chi	engo	Knusa	s City
Sept.	Sept.	Dec.	Sept.	Den.	Sept.	Sept.	Doc.	Sept.	Dec.
16	49 %	51 14	68%	64 1/4	12		3714	1114	3234
Minne		51	EX No.	6434				41 74	323
18.	10	50%	6714	63	21	10 1/4	36%		
			3	60	22	39	36%	2117	
19		48%	163						
#1		47%	63%	61			OATS		
912	47%	4836	63	60 %		en.	icago	911	capolis
	Kons	ins City	St. L	onls					
Sept.	Sept.	Dec.	Sept.	Dec.	Beot.	Sept.	Dec.	Sept.	Dec.
16		44 %	46%	4934	16	2234	24 %	23 %	24
	41 %				17	2234	24 34	2334	24
37	4134	43 %	46%	49	18	231/4	23 %	23 %	2314
15		43	46%	48	19	21%	228/	22 14	1134
19	39 4	41 %	45	46%					
21	38 %	403.		2000	21	21 1/4	22 %	221/4	2214
22		10%		****	22	21 1/4	22%	22 14	22%
							RYE		
_		ittle	Port						
Sept	Sept.	Dec.	Sept	Dec.		Ch	icugo	Minne	rapolis
15		49 %	47%	****	Market 1	Sept.	Dec.	Sont.	Dec.
16	4834	50 1/4	48	****	Sept.				
17	48 %	50 16	4834	2000	16	401/6	40%	37	2758
15	49	50	49		17	29 %	39 1/4	37 14	27%
	47.96	48 %	49	0.4	18	38 %	38 %	37	37%
19					19	3754	373.	35 31	3134
Mission	5.2 %	4734	49	49	21	2716	38	36	3635
	Win	nineg	Duluth	durum	22	39	36 %	35 14	36 14
Sept.	Oct.	Dec.	Sept.	Oct.	37.00		/4	20 /4	00 /8
16	53	53%		AL.			FLAXSEEI)	
			55 %			******			4.9
17:	52 %	53 14	561/4	5-1		Milling	apolis	Dul	uth
18	5214	52%	55 %	521/4	Sept.	Sept	Oct.	Sept.	Oct.
19	51.50	52 N	53 31	111	16		135%	114	13634
21	531/4	54	53	513.	17				
22	55%	5536	53 %	5214			135	135	135 1/2
	20.78	20 18	27.27	2-76	18		134	132%	1321/2
	Live	rpool	Buenos	Alres	19	1311/4	130 1/2	130	130
					21	130	130 1/4	129.5	32400
Sept.	Oct.	Dec	Oct	Dec.	33		130 1/4	129%	129%
16	55 1/4	5836	38 1/4	40			100 /2	440.16	448.79
17	23 %	28%	38 1/4	39 1/4			DINIE		
18	5436	57%	3814	39%			BARLEY		
19	5138	571	3814	397		Minne	enpolis	Wint	alpeg
			00 /2	30 ,4	Sept.	Sopt.	Dec.	Oct.	Dec.
		CORN			16	37 14	37 4	31 1/4	32%
	Chic	ngo	Kansas	City	37	37	36 %	31	31%
Sept.	Sept.	Doc.	Sept.	Dec.	18	37	36 14		
16		39 1,	411/4					30%	31 %
				34 %	19	361%	35 %	30 1/4	31
17	42%	38 1/2	42%	34 16	21	36 1/4	35 %	30%	311/4
18	12.54	38	43	3374	22	36%	36 16	31%	32 11
								10000	

UNITED STATES VISIBLE GRAIN SUPPLY

Visible supply of grain in the United States, as compiled by the secretary of the Chi-ago Board of Trade, in bushels (000's omlitted), of date Sept. 19, and corresponding date of a year ago:

	Wheat-	Curn-		-Oats		—Ry		-Barley-	
19	1 1930	1931	1930	1931	1930	1931	1930	1931	1930
Baltimore 7.6	22 S.360	10	15	40	67	29	17	9	109
Boston 1,5	35	**	**	3	3	1	1	100	203
Buffalo 17,9		745	1,027	1,114	2,430	380	696	277	372
	23 5,142		2.0	162	100			700	280
Chicago 25,8		4,164	1,456	2.841	7.458	1,999	5.956	446	943
Afloat 2,6		22	3.4		620	557	534		262
Detroit 2		11	21	48	66	20	24	GN	52
Duluth 25,6		13	57	2,100	2,786	1,707	3,827	086	2,198
Fort Worth 6.1		ວັບ	177	587	292	4	3	47	127
Hutchinson		- 0.0	2.5		100	0.55	0.000		16
Indianapolis 2,0		263	247	1.318	1.582	4.9	7.8	0.4	25
Kansas City		71	172	32	1,382	75	0.0		100
Milwaukes 6,0		71	625	637	4.419	214	238	210	316
Minneapolis 31,43		20	46	2.160	5,798	3,353	4,117		685
New Orleans		21	67	73	55			2,108	5,978
Newport News 60		7.				19.0	200		129
New York 2,41		1	24	40	96	37	5.2	23	19
Omaha 19,3		200	323	416	352	10	18	47	205
	2 156	- 2	- 3	833	1.440			1000	-03
Philadelphia 3,3-	5 942	21	- 5	94	164	6	15	100	1000
St. Louis 7.3'	5 7.082	127	284	699	726	1	19	5	64
Sloux City 1,61	8 1,221	47	54	89	876	3	160	21	29
St. Joseph 7,51	6,537	111	320	186	442	100		070	27
Toledo 1.1	5,450	18	23	130	295	1	5	1	3
Afloat		44		914		110		- 3	
Wichita 2,11		- 3	2				200	100	12
Canals 11		4.4	4.4	1.0		100			100
Lukes 1,17	2 979	254	29	2.5		225	56	57	65
Totals233,1:	2 202,620	6,281	1,963	11,819	30,092	8,629	15.641	4.171	11,100

Millfeed-Receipts and Shipments

Receipts and shipments of milifeed at the principal distributing centers for the week ending Sept. 19, in tons, with comparisons:

	Rec	eluta-	-Shipments-			
	1931	1930	1931	1930		
Minneapolls	426	475	9,552	13,115		
Kansas City	640	960	2,460	3,220		
Baltimore	106	413	113	800		
Philadelphia	140	200	10000	444		
Milwaukee	150	20	1,440	1,970		

Bonded Grain in United States

Bonded grain in the United States reported this week, compared with last week and a year ago, in bushels (000's omitted);

Buffalo	Wheat 3,701 1,574 1,160 780 1,812	Олін 39	Rye 20 368	Barley
Lakes	631	-		****
Last week Last year	9,028 9,701 20,262	29 55	388 801 172	3 970

Imports of Canadian Wheat

The United States Department of Com-merce reports imports of Canadian wheat at the principal northern border ports as fol-

Imports	for c	onsumpt	lon, du	ity j	paid.	bus:
-Week e	nding					r 1 to
Sept. 12	Sep	ot. G		Sel	t. 12,	
						1,000
Imports	into	bonded	mills	for	KLI	iding

BUT HORI	tor export, be	
Week	ending-	July 1 t
Sept. 12	Sept. 5	Sept. 12, 193
257,000	293,000	3,671,09

United States-Grain Stocks

Commercial stocks of grain in store and alloat at the principal markets of the United States at the close of the week ending Sept. 19, 1931, and Sept. 20, 1930, as reported to the United States Bureau of Agricultural Economics, in bushols (000's omitted).

		Canadian		
-			In be	
	Sept. 19	Sept 20	Sept. 19	Sept. 20
Wheat	257,214	213,308	7,216	15,298
Rye	9,199	16.426	390	172
Corn	6.332	5.275	200	
Harley	7,093	15,092	3	970
Unts	16,320	32,698	41	55
Flaxseed	1,297	1,513	111	344
Stocks of	United	States :	reals in	store In

Stocks of United States grain in store in Canadian markets on Sept. 19 (figures for corresponding date of a year age are given in parentheses): wheat, 30,552,000 (4,132, 900) bus; rye, 1,757,000 (3,148,000); vorn. 731,000 (1,001,000); bariey, 21,000 (580,000); oats, 184,000 (2,517,000).

Flaxseed-Receipts, Shipments and Stocks

Receipts, shipments and stocks of flaxseed at principal primary points for the week ending Rept. 19, in thousand bushels, with comparisons:

	Recolpts		Shipment	s Stocks
	1931	1930	1931 193	0 1931 1930
Minneapolis .	. 421	479	68 14	5 273 150
Duluth	. 337	902	53 531	1.027 1.388

Russell's Flour Production and Movement

Russell's Commercial News estimates United States flour productio and movement as follows, in barrels (Production—1931-32 1930-31 1932-39 Week ending Sept. 5. 2.395
Previous week ... 2,650
July 1 to Sept. 5, 1931 22,150
Exports— Exports— Veck ending Sept. 5, 91 38 July 1 to Sept. 5, 1931 650 2,297

Special Notices

The rate for advertisements in this de-

The rate for advertisements in this deputition is 30 cents per word, minimum charge, \$1. We cents per word, minimum charge, \$1. We consider the word of a position. Advertisements of Situations Wanted will be accepted at one half the above taxes, eatist per word; minimum charge, \$6 cents "Display" advertisements will not be inserted at these rates, but will be charged for at \$4 per column inch.

Advertisements under this heading are transient and the advertiser's responsibility is not necessarily vouched for by The Northwestern Millor.

Only advertisements entitled to Special Notice classification will be accepted for publication harein.

Notice classification will be accepted for publication harein.

The publication will appear to the following day.

Cash should accompany all orders.

SITUATIONS WANTED

POSITION AS SECOND MILLER OR flour packer, good references; can come at once. Address 2552, care Northwestern Miller, Minneapolls.

WANTED—POSITION AS SUPERINTEND ent or head miller, any size mill; expert ence with hard and soft wheat Address 2550, care Northwestern Miller, Minne-apolis.

MILLS FOR SALE AND TO LEASE

FLOUR MILL FOR SALE—500 BBLS PER day capacity, brick, four-story, latest milling machinery, all A-1 shape, trackage and good shipping facilities, largo town, mill made owners a fortune; sacrifice price to settle estate, \$20,000; replacement cost, \$150,000. For full particulars and photo write Scott Realty Co., Ltd., 11 C. P. R. Office Bidg., Winnipeg, Man.

MILL MACHINERY WANTED

MACHINERY WANTED—FOUR TO EIGHT double stands 7-in or 9-in by 16-in to 24-in rolls; describe fully with price Recsor, Reesor Flour Mills, Ltd. Vegre ville, Alta, Canada.

HEDGE YOUR MILLFEED

We solicit your Active Interest in Millfeed Futures

J. C. Shaffer Grain Co.

C. H. WILLIAMSON, Manager

Merchants Exchange St. Louis, Mo.



W. S. NOTT CO., Minneapolis Mill Supply Headquarters

THE WOLF COMPANY

66 COMMERCE ST.

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PENNSYLVANIA

FEED FUTURES DROP TO LOW LEVELS AGAIN

Most of Present Small Trading Volume Represents Closing of Old Trades or Spreading Operations

Sr. Louis, Mo .- Millfeed futures are lower again, thereby proving to the skeptical that they are never too low for a flour miller to hedge his future sales of feed. Very little new business is coming into the market, and most of the small volume being done represents closing out of old trades or spreading operations. Deliveries on contracts this month have been heavier than for some time. Opinion seems to expect a continued narrow market, with millfeed following the course of grains.

Closing prices of millfeed futures in

the St. Louis Merchants' Exchange in dollars per ton, Tuesday, Sept.

	,	1 ocpe.	
	Brnn	Shorts	Middlings
September	9.10*	10.05	9.72+
October	9.40*	10 20 *	9.60*
November	9.35 *	10.40*	9 40*
December	10.15*	10.66*	10.75*
January		11 00	10.10*
February	11.05*	11.00*	10.75*

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IMPORTANT REVISION

of Flour and Feed Rates

Grain and flour shippers from inland points to Pacific Markets now have the advantage of lower freight rates into California. New rates are in effect between Portland. Seattle and Tacoma to California ports. Former through rail and water rates are now being cancelled.

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Shippers of Corn, Oats, Barley, Rye,

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and nearly thirty years' experience to country mills, to buy wheat for their account in open market, or sell on Guaranteed protein content

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Futures . Receivers . Shippers MILLING WHEAT

RYE PRODUCTS

Chicago.—Demand for ryc flour slowed up considerably last week. Sales were confined to small lots for prompt shipment. The local output totaled 6,781 lbbs, against 5,989 the previous week. Mill asking prices, Sept. 19: patent white, \$3.106/3.30 bbl, jute; medium, \$2.836/3.10; dark, \$2.35@2.70.

Salog 3.10; dark, \$2.35@2.70.

Duluth.—Demand for flour scattered; there were small lots, with spill cars of patent. Very little interest in deferred shipment; mills advanced prices 10c. Quotations, per bbl, basis car lots, Duluth; pure white, \$3.35; No. 2 straight, \$3.05; No. 3 dark, \$2.60; No. 5 blend, \$3.35; No. 8 rye, \$2.70.

Minneapolis.—Demand for rye flour remains slow, and there were no large lots sold last week. Pure white rye flour is quoted at \$3.15@3.25 bbl, in 98-lb cottons, f.o.b., Minneapolis; pure medium, \$2.85@2.95; pure dark, \$2.70@2.75.

Three northwestern mills last week made 12,096 bbls, compared with 9,642, made by four mills, in the previous week.

St. Louis.—Demand for flour is fair;

St. Louis .- Demand for flour is fair: or. Louis.—Demand for flour is fair; prices unchanged to slightly lower. Quotations, per bbl, busis car lots, \$1, Louis, in cotton 98's; pure white patent, \$3.70; medium, \$3.40; pure dark, \$3.20; rye meal, \$3.05.

Boston .- Demand for flour moderate, Boston.—Demand for flour moderate, and almost wholly for near-by requirements. Quotations, per bhl, basis car lots, Boston, in 98-lb cottons: choice white patents \$3.70@3.80, standard \$3.60@3.70; medium light straights \$3.50@3.60, medium dark \$3.40@3.50; pure dark ryc, \$3.30@3.40; ryc meal, \$3.05@3.15.

Indianapolis.—Demand for flour light; supplies sufficient; prices steady. Quotations, per bbl, basis car lots, f.o.b., Indianapolis, in cotton 98's: pure white, \$3.75a(3.85; medium, \$3.40@3.65; dark. 836 3.25

Milwaukee.—Demand for flour light; prices up 5c. Quotations, per bbl, basis car lots, f.o.b., Milwaukee, in cotton 98's; white, \$3.45; straight, \$3.35; medium, \$3.25; dark, \$3.05@3.20; meal, \$2.75.

Pittsburgh .- Demand for flour light; supplies ample; trend unsettled. Quotations, per bbl, basis car lots, Pittsburgh; pure white, \$2.75@3.25; medium, \$2.50@3; dark, \$2.25@2.60.

(a3; dark, \$2.25(e.2.00).

Philadelphia.—Trading in flour quiet; huyers pretty well supplied for current needs, and holding off; market barely steady. Quotations, per bbl, basis car lots, f.o.b., Philadelphia, in 98-1b cotton sacks: white, \$3.50@3.75; medium, \$3.30@3.40; dark, \$3.@3.25.

New York.—Demand for flour limited chiefly to a car here and there, with larger orders infrequent. Quotations, per

GEORGE A. AYLEWORTH, President,

Milling Wheat

Ask us for our survey of cash wheat and premium conditions.

Great Western Elevator Co. KANSAS CITY, MO.

Capacity, 1,000,000 bushels

Bartlett Frazier Co. **GRAIN MERCHANTS**

Receivers, Buyers, Shippers and Exporters

We Specialize in Milling Wheat

MEMBERS OF ALL LEADING GRAIN EXCHANGES

Cash and Future Business Solicited

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bbl, basis car lots, New York, in jutes: white patent, \$3.45@3.85.

Buffalo.—Demand fair for flour; supplies ample; trend steady. Quotations, per bbl, car lots, Buffalo, in 98-lb cottons: white, \$4; dark, \$3.40.

Baltimore.—Small lots of flour are being offered and sold. Quotations, per bbl, basis ear lots, Baltimore: dark, 83, white, \$3.75.

CORN PRODUCTS

Minneapolis.—On Sept. 22, yellow and white corn meals were quoted at \$36 3.16 per 200 lbs.

St. Louis.—Quotations, per 100 lbs, basis car lots, St. Louis: cream meal, \$1.40; standard meal, \$1.35.

Memphis.—Demand light. Quotations, per bbl, basis car lots, Memphis: new crop meal from Texas, ground by Arkansas mills, \$2.25; cream meal from old corn, \$2.40@2.75.

Pittsburgh.—Demand fair; supplies normal; trend easier. Quotations, per 100 lbs, basis ear lots, Pittsburgh; fancy kiln-dried yellow and white meal, \$1.75

Philadelphia.—Trading quiet and market weaker. Supplies fully ample for requirements. Quotations, per 100 lbs, basis ear lots, f.o.b., Philadelphia: fancy kiln-dried meal, yellow \$1.60, white \$1.65; pearl hominy and grits, \$1.65.

Indianapolis.—Demand moderate; sup-plies sufficient; trend firm to unchanged, Quotation, per 100 lbs, basis car lolt, Indianapolis, for cream meal, \$1.80@1.90.

Montreal.-Quotation, per bbl, Montreal, for white corn flour, \$4.50@ 4.80.

Evansville,—Demand light; supplies ample; trend stendy. Quotations, per 100 lbs, basis car lots, Evansville, for cream meal, \$1.80.

Nashville .- Fair demand; trend steady Quotation, per 96 lbs, basis car lots, Nashville, for cream meal, \$1.55@ 1.65.

BATMEAL

Winnipeg.—Demand light; prices unchanged. Quotations, basis car lots: rolled onts in 80-lb bags, \$2.20 in all three prairie provinces; oatmeal in 98-lb bags, 25 per cent over rolled oats

Toronto.-Demand for rolled oats and Toronto.—Demand for rolled oats and oatmeal improving; prices unchanged. Quotations, Toronto: rolled oats, \$4.20 bbl of 180 lbs, in 90-lb jute bags, \$4.70 in mixed cars, with discount of 10c bbl for cash; oatmeal, in 98-lb jutes, 10 per cent over rolled oats.

Montreal.-Demand is light; trend is steady. Quotation, per 90-lb hag, basis car lots, Montreal, \$2.25.

Philadelphia.—Demand lights market weak and lower. Quotation, per 90 lbs, hasis car lots, f.o.b., Philadelphia, in jutes, \$1.95.

Minneapolis.-Rolled oats were quoted on Sept. 22 at \$1.55 per 90 lbs.

PROGRAM ANNOUNCED FOR INDIANA A. O. M. MEETING

KANSAS CITY, Mo.—Horace G. Kohler, secretary of district No. 3 of the Association of Operative Millers, has announced through C. W. Partridge, secretary of the association, the following program for the district meeting to be held at the Hotel Deming, Terre Haute, Ind., Sept. 26.

at the Hotel Dening, Terre Haute, Ind, on Sept. 26:
Address of welcome, W. L. Sparks, Sparks Milling Co., Terre Haute.
"Milling the New Crop," Willis Charles, Garland Milling Co., Greensburg, Ind.

"A Discussion on Tempering and Conditioning," James W. Moore, Home Mill & Grain Co., Mount Vernon, Ind.

"The Relation of Gluten to Baking of the New Crop," S. J. Lawellin, Novadel-Agene Corporation, Chicago.

"Methods of Feeding Stocks to Rolls and Purifiers," Frank A. Madge, Noblesville (Ind.) Milling Co.

"Eliminating Fire Hazards in Flour Mills," C. W. Gustafson, Mutual Fire Prevention Bureau, Chicago.

FRED UHLMANN, President

PAUL UHLMANN, Vice President

RICHARD UHLMANN, Secretary

JACK A. BENJAMIN, Treasurer

UHLMANN GRAIN COMPANY

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New York Coffee Board Sugar Exchange

New York Cocoa Exchange

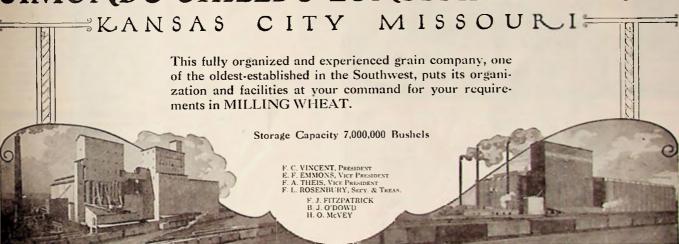
Operating...KATY and....WABASH ELEVATORS

Total Capacity 7,200,000 Bushels

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SIMONDS'SHIELDS'LONSDALE GRAIN CO.



America's Finest



Jerminal Elevator

THE SERVICE OF THE WORLD'S FINEST ELEVATOR

together with the best efforts of our experienced organization are at your command in buying MILLING WHEAT on competitive basis.

DAVIS-NOLAND-MERRILL GRAIN CO.

Operating Elevator "A"
Capacity 10,200,000 bushels

KANSAS CITY, MISSOURI



What "Big Jo" Is to the Family Flour Trade—

"Diamond

is to the Baker who is trying his ut-most to make bread that will bring his customers back for more—bread that is outstanding in quality and fla-vor. After all is said with reference to bread ingredients, it is the flour that really determines the quality of the bread. Expensive improvers, shortenings, sugars, etc., have their place, but back of them all, and the foundation on which they must rest, is the flour. Start with "Diamond Jo" as your foundation and you will have uniformly good bread, repeating customers and good will that has its base

WABASHA ROLLER MILL CO.

W. B. WEBB, President and Manager WABASHA, MINN., U. S. A.

Effect of Additional Ingredients on Bread

serve after it has fulfilled its function as a gas producer? This is qualified in the latter part of the foregoing extract, namely, to impart sweet flavor and rich bloom from the surplus.

In acting as a gas producer, added sugar serves a useful purpose when the flour's natural sugar is inferior or under normal quantity, inasmuch as ample gas is necessary for accurate acration and as a purifier; also by its general good influence in the fermenting, maturing and conditioning of the dough. By such correct conditioning the dough will be perfectly evolved and developed when ready for and at the oven; hence, the bread will be satisfactory.

The surplus sugar will be in solution throughout the dough's moisture, and will be infused into the solids; therefore, if pure and to the right quantity, will thus do its part in the rightful softening, mellowing and conditioning of the dough, and so, from this influence, the bread will be more sweetly flavored, moister, lighter and brighter of crumb and clearer and cleaner of crust, while the crust's bloom will be richer from a better state of caramelization.

Caution is necessary, that too much

and clearer and cleaner of crust, while the crust's bloom will be richer from a better state of caramelization.

Caution is necessary, that too much sugar be not used. In such a case it is conceded that in solution this large quantity will be small in comparison with the quantity of liquor into which it will be dissolved; nevertheless, the principle abides that the sugar will thicken the liquid to an extent obstructing the yeast cells, enzymes and other operators. Moreover, the sugar will become so absorbed by the gluten strands and the starch granules that the former will break down under the stretching strain of the essential expansion, the ultimate issue being crumbly and dry bread. The effect on the starch granules will be such that the crumb is exposed to air on the bread being cut, this stickiness and stodginess will not hold it together as might be expected, but do its part with the broken up glu-

ten in bringing about crumbliness and

ten in bringing about crumbliness and dryness.

Some use sugar in whole meal and wheat meal bread. A small and right quantity is favorable, particularly in toning up favor, misture and color, and assisting in making the texture fine and even. As, however, the bran particles are large, and are therefore readily separated, sugar to excess will cause separation, with the resultant bread heing crumbly and dry.

Milk is now universally used in bread as a dried powder, and, speaking broadly, 5 lbs per 280-lb sack of flour is the quantity recommended. If used in true proportion, milk makes the bread sweeter, moister, and more palatable as a whole. Color of crumb is brightened by the cleaning tendency, and bloom of crust enriched, the crust being moistened, made thin, short and crisp.

Mr. Kirkland says that "the flavor, color, and texture of bread are very materially improved by the use of milk, and doubtless the soluble albumens also furnish some food for yeast growth."

The analysis of milk is given as 87½ per cent water, 3.5 per cent butter fat, and 9 per cent solids, not fat, or total solids of 12½ per cent. This analysis applies, of course, to full cream milk just from the cow. The water is evaporated when milk is turned into dried form, when but a small percentage of moisture remains. The butter fat is a nutritive property quite apart from its function as a flavorer, and its softening, moistening and mellowing effect on the texture and crumb.

According to F. H. Whitcombe, a Canadian authority on milk, the 9 per cent of other solids mentioned contain albumen, which builds tissue; casein, which contain calcium of lime, phosphorus, iron, magnesium, potassium and sodium,—all of which build bony struc-

(Continued on page 864.)



Mother Hubbard FLOUR

An Insurance of High Quality Worth the Difference

HUBBARD MILLING CO Minnesota Mankato





Successors to Sheffeld-King Milling Co.



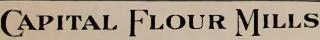
Again We Say:

O matter who makes it or • where it comes from there is no better flour made than the flour manufactured at Cannon Falls, Minn., by the Cannon Valley Milling Co.

Main Office Chamber of Commerce, Minneapolis

Leading Patents **VANITY FAIR** TELEPHONE **MARITIME**

Laboratory Controlled.





HIGH GRADE DURUM WHEAT SEMOLINA

000

MINNEAPOLIS ~ ST. PAUL MINNESOTA

Choice No. 2 Semolina Fancy **Durum Clears**

AMBER MILLING COMPANY Flour Ex., Minneapolls, Minn.

CHRISTIAN MILLS Matchless Quality Flours

SENOLINAS AND RYES

MINNEAPOLIS, MINN.

Capacity, 1,200 Barrels Spring 1,000 Barrels Durum 250 Barrels Rye

Cable Address: 'CHRISMILLS"





"SNOW WHITE" flour, a high quality spring patent,
"PIONEER" Rye flour,
"PIONEER" Whole Wheat flour,
Split cars a specialty MINOT FLOUR MILL COMPANY Minot, North Dakota

FARGO MILL COMPANY

Millers of Hard Spring Wheat Flour made from the famous Red River Valley Wheat.

FARGO, N. D.

Crown Milling Co.

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PATENT ATTORNEYS and SOLICITORS Patents Procured and Trade-Marks Registered in All Countries

MINNEAPOLIS 834 Security Building

Oculists Ogle White Flour

W ELL, we've read attacks upon white flour by most every kind of pill roller and bone cracker in Christendom—surgeons, dentists, pediatricians, orthodontists, psychiatrists, Sioux medicine men and Himalaya swamis—but we had yet to put down an oculist in the list until receipt of a printed postcard from Dr. MacLachlan's Health School and Eye Clinic, Bismarck, N. D. On the stamp side of the card is a touching picture of the grave of John Doc, upon the stone of which is alleged this epitaph:

Here Hes John Dee so stark and still, Of bleached white flour he ate his fill, Itls life on this earth now has ended From diet Whittemore recommended. John had a yen to gulp in haste A lot of paper-hanger's paste. Dee Whitey White-more never said: "Don't eat that, John, or you'll be deed." New this should warn the rest of you, Aviold Dee White-more's starchy goo. If not, then you, too, soon will be With poor John in eternity.

It would appear that the MacLachlan hoys don't approve of Dr. Whittemore, who is head of the North Dakota State Health Department. In the interest of public welfare, they believe the recent indorsement given by Dr. Whittemore to white bread "should be exposed and submitted to most careful scrutiny." To this end the boys fill up the back of the posteard with these sentiments:

"At the recent appual convention of

"At the recent annual convention of the North Dakota Medical Association a resolution, indorsing white flour, drafted by the white flour milling trust and brazenly presented to the convention by their spokesman, Mr. Rosell, was adopted with only one dissenting voice raised in pro-test. Debate on the subject was squelched when Dr. Whittemore, sup-posed-to-be guardian of public health, spoke in support of white flour products.

spoke in support of white flour products. "Does Dr. Whittenore honestly believe that bleached and chemically treated white flour is better than flour made from whole, natural grains? Does Dr. Whittenore himself eat devitalized white flour? Does not Dr. Whittemore know that Dr. Arbuthnot Lane, one of England's most eminent physicians and surgeons, has found that white flour causes cancer and diabetes? Is Dr. Whittemore a fit man for the responsible position he holds? When Dr. Whittemore and the other doctors join hands with the white flour interests of Minneapolis, do you think they do this to keep you healthy? "We have always told you that due-

"We have always told you that duc-tors do not want you to be well. They want you to be sick to increase their business. This latest action of the or-ganized North Dakota doctors in indors-ing white flour products is proof posi-tive that our contentions were correct.

"Disease can only be cured by purifying the blood and huilding health. Nature's methods are not mere fads. They No newer methods do not pass away. No newer methods will ever supplant them. See us for dependable health advice."

will ever supplant them. See us for dependable health advice."

We have a bad case of astignuatism, Messrs. MacLachlan, acquired in looking for a golf ball under a hazelnut bush. We presume you prescribe bran. N'est pas? Should it be taken internally or externally. We note from your card that you examine eyes carefully, fit glasses without "drops," and "cure without the knife," at "lowest prices in North Dakota." You are too far away for us to accept your invitation to "visit Dr. MacLachlan's Health School and Eye Clinic for honest, straight-from-the-shoulder dietary advice," but we have no doubt some one will do so in due course—packing a knife, or a cannon, or at least something equally as "straight-from-the-shoulder" as your dietary advice; and we hope that, when he has ended his call, you will not too much resemble a bran mash pudding—the miraculous curative properties of which you will no doubt then wish to try upon your self! In the meantime we are forwarding your postcard to the amiable Doc Corson, head of the National Food Bustenu; he will also be amused.

C. K. M.

C. K. M.

THE STANDARD OF STANDARDS



CERESOTA FLOUR

PURE-WHOLESOME-NOT BLEACHED

MADE BY

THE NORTHWESTERN CONSOLIDATED MILLING CO.

H. P. GALLAHER, PRESIDENT

MINNEAPOLIS, MINN., U. S. A.

Repeaters...

Daily Capacity
1.000 Bbls

"KOMO" and "PACEMAKER"

Each a peer in its class.... so why look further?

SAINT PAUL MILLING COMPANY SAINT PAUL



This Mill

at the wheat crossroads of the West can fill your needs for any type of quality

bread flour.

Our location permits the milling of choice Northern Spring Wheat or of strong Turkey Hard Wheat. There is none better obtainable.

INLAND MILLING COMPANY

DES MOINES, IOWA



CORNER STONE

A Short Patent

The mainstay of home baking for over fifty years.

Now also the dependable flour from which the baker makes his best quality bread, the bread that meets the housewife's discriminating favor.

> Milled at RED WING, MINNESOTA, by LA GRANGE MILLS

Added Ingredients

(Continued from page 860.)

(Continued from page \$60.)
tures and assist to stimulate the growth
essentials; milk also holds milk sugar.
Ordinary skimmed milk, for example,
contains much milk sugar, also lactic
germs. It is because of this that it is
not advisable to use such milk for breadmaking, inasmuch as its germs produce
lactic acid from the milk sugar. This
acid acts so severely on the gluten that
this becomes so dissolved as to break
up, with the result of crumbs and dryness.

in must not be thought, however, that in dried form the milk sugar or lactose is removed. Indeed, many cheap brands are little else than lactose and casein. In reputable brands, however, the effect of the milk sugar is much subdued and the gluten is not unduly dissolved, unless the quantity of milk be excessive. Regarding casein, those who use milk powder in too large a quantity have no doubt noticed that during fermentation the dough has tightened rather than slackened. This has arisen from the binding effect of the casein. Even when nilk powder is used in correct quantity, a little extra liquor should be employed to allow for the tightening tendency, the quantity being slightly increased in ratio with the length of the process.

More milk powder can be safely used with a short system dough than with one by a long-lying process, because the lactose and casein have less time to act with the former. For best results the powder should he dissolved in a suitable quantity of water some hours before use. This will insure the narticles will be-

powder should be dissolved in a suitable quantity of water some hours before use. This will insure the particles will become wholly dissolved, so that when mixed with the doughing liquor the milk will thoroughly associate and distribute, thus dispensing its goodness throughout the dough mass and ultimately throughout the based. out the bread.

Summed up, the aim in the use of shortening, sugar, and milk is so to select quality and use quantity that the bread becomes improved on all counts

of appearance, fragrance, eating and keeping properties, and in nutritive value.

Window Displays

Window Displays

(Continued from page 824.)

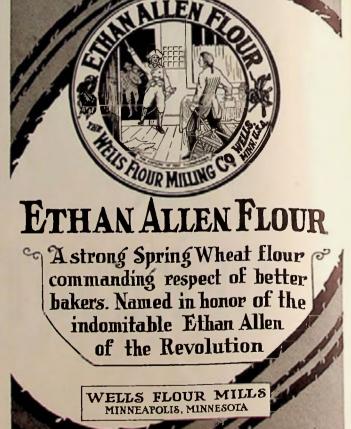
companying the paper, or he may propriate some other design as a decoration. In the sketch the suggestion is given that a modernistic type of decoration he used. This is merely a series of triangles of color applied at certain points Each side panel has a decoration consisting of four triangles at the lower corner, and a larger one at the upper corner. The similer triangles may be of brilliant colors, but the upper ones should be of a more subdued hue.

The diamond shaped ornament is decorated with a huge flower in conventional design. The various parts can be cut out of colored paper and pasted to the decoration, or a suitable design may be cut from wall paper.

This is a worth while background for the shop without window backs, and it will pay to take the necessary time and care in its construction to make the joh as neat and attractive as possible.

An old-time background, usually covering but a portion of the back of the window, is the three-lenf screen. In Fig. 2 it is shown in the normal shape, and decorated with three different suggestive designs. All the leaves of this screen may be decorated in similar designs, or the outer two may correspond and the center one be different, or all three may be different, as in the illustration.

In Fig. 3, a modern art type of screen is illustrated. The leaves of this screen are of wall board, and the frame is at the back where it cannot be seen, and for this reason may be made of rougher strips of wood than the other, which has a finished frame. The screen is decorated with threadle free it indicated, or may be done in combination with gignantic conventional floral designs similar to that on the decoration in Fig. 1. The colors should be very carefully chosen in order not to present a jarring note to the eye.



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The Deadly Surplus

A CLUB composed of grain statisticians and crop experts at Chicago has just completed a study of conditions which should prove of interest to those who believe government buying and selling of wheat and fixing of prices is neither financially profitable nor advisable.

those who believe government buying and selling of wheat and fixing of prices is neither financially profitable nor advisable.

The Grain Market Analyst Club points nut that patriotic efforts to fill the void left by Russin's disappearance from the world's wheat markets in this country, Canada, Argentina and Australia during the war did not cease with the war's ending. The acreage added has been retained after the return of Russia to its premier position as a wheat grower, and this excessive acreage, coupled with above normal acreage yields, has produced a world surplus. It points out that the excess of supply over consumption in the first half of the 1920-30 decade was 305,000,000 bus, in the second five years it had risen to 450,000,000 bus. Naturally enough, individual cooperation, as in the Canadian pools, state efforts as in Australia, and government buying, selling and manipulation as in this country, have turned a perfectly natural situation of oversupply into a foolish speculation, with both public and private money lost.

Public officials and not private parties have been the real managers of this ill-fated speculation. The result has been the collection of a gigantic stock of wheat in the hands of the government of the United States, which resists all efforts to dissipate, deprives us of our export trade at a time when we sadly need a foreign outlet, and gives the advantage in the wheat market to foreign countries. These, apparently, merely

have to wait until accumulated expense of holding placed at \$4,000,000 a menth will force us in some way to rid ourselves of this incubus.

It is certainly no source of comfort to the average American to know that the farmer has not benefited, and that the United States Trensury, with a deficit of nearly \$800,000,000, has "held the bag" in a declining wheat market—Bradstreet's.

How Ought Tariff Revision to Be Approached?

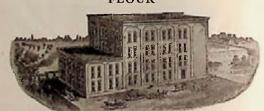
to Be Approached?

IN considering the tariff we ought to begin at the beginning. Reduced to its simplest terms a customs tariff is simply an obstacle placed in the way of trade. Here are all kinds of people separated by international boundaries who want to do business with each other. They have to overcome those costs of shipment, of insurance, of delay, and so on, which are natural obstacles to international trade. The tariff, with its exaction from the buyer of an additional sum of money in the form of a tax, is a purely artificial obstruction. So the whole tariff policy of a nation must be worked out in response to this general question: How far is it beneficial to the citizens of the nation and their business artificially to obstruct foreign trade?

Singularly enough we never think of the possible advantage of artificial obstruction of trade within national boundaries. We are protected by a high tariff against the importation of Canadian automobiles into the Southwest from Windsor, Ont.—but the Southwest from Windsor, Ont.—but the Southwest is naked and defenseless against the bringing in of automobiles from Detroit, Mich., which is separated from Windsor (Continued on page \$70.)

(Continued on page 870.)



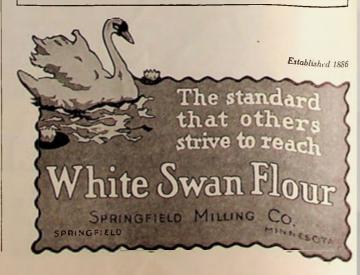


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Contemporary Comment

only by the width of the Detroit River.

If it is a good thing for us to be protected against Windsor, which manufactures so few cars, why should we not be defended against Detroit, which makes so many? If the citizen of Dallas, Texas, buys a pair of woolen blankets made in Philadelphia he pays no tax to the government; but if he buys them from Gomez Palacio, Mexico, he pays the government at Washington a heavy tariff tax. Might not Dallas card and spin and weave the wool of the Edwards Plateau itself, if only it could be protected against Philadelphia? Really, when one considers the size of the wool textile industry of Mexico and contrasts it with the industry of Philadelphia it is evident that Dallas is "protected" against the weak and left at the mercy of the strong.

Nobody wants to remove the American

weak and left at the mercy of the strong.

Nobody wants to remove the American customs turiff; like all violent business changes, that would do more execution at the hutt of the gun than at the muzzle; but it is in order to remark that turiff making is merely the obstruction of trade; that entire free trade in steel between Pennsylvania, Illinois and Missouri did not protect Pittsburgh against the building of steel mills at Gary and of steel foundries at St. Louis; that the lightly "protected" industries have always flourished more than the heavily protected ones of the same class (contrast shoes with gloves and cotton goods with woolen goods); and the weakest industries in the United States from a competitive point of view have been those nursed from their infancy in the lap of tariff politics.

The most significant fact in the con-

The most significant fact in the con-The most significant fact in the con-nection, however, is that tariff making is a game that two can play at. When we raise our tariffs on this side of the water our neighbors raise theirs against us. Our high tariff policy has not stopped exportation—but it has made us export jobs instead of exporting goods. Fac-tory after factory has been built by

American capital in a foreign country within the past 10 years because of the high retallatory duties which our tariff policy has caused to be laid against us by foreign nations—and when industry itself is driven out of the country and established by the American manufacturer on alien soil it goes never to return. The working out of a national tariff policy is a task of great size and difficulty—but it faces us. And the first question to be asked about any duty is: "How far will it pay the American government, in the interest of American workmen, manufacturers, merchants, bankers, railroad men and steamship owners, to obstruct the natural flow of international trade by exacting a sum of money laid as a tax on each transaction?"—Executive's Magazine.

Good Ideas That Turned Into Many Millions

Into Many Millions

JULIUS ROSENWALD says: "An idea is worth more than money." Henry Ford had no money, but was endowed with a big idea, which, put into effect, coined for him a billion dollars.

John Wanamaker had no capital hut when very young possessed an idea. The then newly projected city hall would make a new civic center in Philadelphin. Mr. Wanamaker promptly bought an old train shed at Market and Thirteenth streets for his "new kind" of store. The world knows the ponderous result.

Out in Lancaster an also-ran shop-keeper begat an idea. Every article in a store to sell at five or ten cents! Well, you know what Woolworth reaped out of that idea.

of that idea.

A young Irish grocery store clerk in Philadelphia had an idea. It was that if a man could operate one grocery store at a profit he might just as well operate two or a dozen. So Thomas Hunter died owning 500 grocery stores.—Girard, in the Philadelphia Enquirer.



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Goerz Flour Mills Co.

Rudolph A. Goorz, Pres. Newton, Kansas

A BAKER'S THOUGHTS ON THINGS

OJAI, CAL Editor THE NORTHWESTERN MILLER AND

Editor The Northwestern Miller and American Bakeri.

Right after the close of the World War, when whole wheat bread was instroduced,—partly as a war measure, as this country had depleted its wheat supply and people had to have bread,—everybody was told how good such bread was, and nobody protested. So at this time the food fakers came into existence, telling the world how deadly white bread was to the human system, although all of these so-called food specialists had been getting along very well, and even thriving on it, before the war; they were actually raised on white bread. Their arguments made this country health conscious, and at that time the health food stores came into existence. Everybody thought there was something the matter with themselves, but as whole wheat bread serves only one purpose as far as I can see—just a haxative—I really could not understand why the whole country should be afflicted in that direction.

Now let us look from a different angle. Doctors have progressed more the last 25 years than they had before in 100 in the line of foods and the use of same in connection with their treatments of the human body. Today they are instructing the dictitians as to the proper food to give their patients, as 75 per cent of all diseases are traced to the stomach. For example, people with high blood pressure and diseases resulting therefor are told to eat food contrary to what they were told to eat 25 years ago. Now the physicians are recommending aranges, grape juice, tomato juice, lima heans, soy beams, potatoes and bananas, which were forbidden a quarter of a century ago. Bread was excluded altogether for people with high blood pressure. Doctors figured people must or will eat bread, and if they did not give it to them, they were tempted to eat it anyway, and all this was causing a bardship on the patients themselves, hampering the doctor in his work. At hast it was felt by the baker, as he was selling that much less bread. So the doctors were trying to get an alkaline hearing bread, and as alka

When I first saw in the newspaper When I first saw in the newspapers what the doctors were up to and a friend of mine approached me to make linus bean bread. I smiled and told him that it was only a scheme to sell more limbeans. But I got to thinking, and agreed to get busy on this subject I soon found that the doctors' contentions were right and I kent on mail I sendered. found that the doctors contentions were right, and I kept on until I produced a fair loaf of bread. As I have not a laboratory myself, I made use of some of the best ones in America, in order to get results and to know just exactly how I was standing.

For the last 10 years I have watched closely and have observed the want and the trend of the baking business, and I have found that the doctors and dictitians are the hig factors in the baking business, and will be in the future. Bakbread has been the staff of life and our best food, but only recently has been learned the meaning of bread to the

I have worked with the doctors for some time, and catered to their wants. Besides lima bean, I also worked out a soy hean bread, which is neutral-alkaline. soy hean bread, which is neutral-alkaline hearing. Recently I have perfected an iodine hearing bread made from California kelp, a sea vegetable which grows in the Pacific Ocean, for people who are deficient in iodine. Doetors have been trying to get a bread which would contain sufficient kelp to act as a corrective for goiter cases, and as kelp (dehy.

(Continued on page 874.)



AMERICAN BEAUTY



blooms in your oven.

ST. LOUIS ~ ALTON ~ DALLAS.

DAILY CAPACITY 5000 BARRELS EST. 1857

Established 1864

MEYER'S MODEL FLOUR

ALWAYS RELIABLE

THE MEYER MILLING COMPANY SPRINGFIELD, MO.

ANNAN-BURG GRAIN & MILLING CO.

ST. LOUIS, MO.

Established 184

Saxony Mills
Hard and Soft Winter Who

Hard and Soft Winter Wheat Flours
Correspondence ST. LOUIS, MO.
Solicited Daily Capacity, 1,100 Bbls.

KANSAS MILL
BIAMBOD & ELEVATOR (O.

ARKANSAS / CITY, KANS.

DAILY CAPACITY 2000 BARRELS

Majestic Milling Co.

Millers of Soft as a Hard WINTER WHEAT FLOUR live connections wanted in all markets lapacity. It is Barrels

GINGHAM GIRL



WHITE STAR

Plant Flour Mills Company St. LOUIS, MO., U. S. A.

"CHERRY BELL"

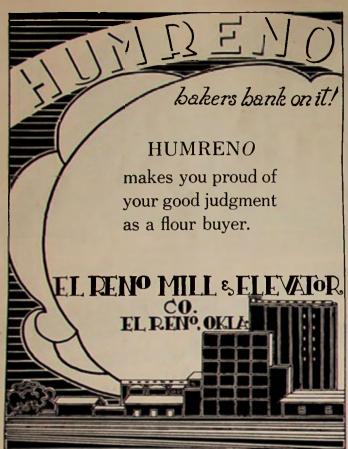
Madaged decily from Cantrol Kansan Turkey Wigat N. SAUER MILLING CO. CHERRYVALE KANSAS

BLACK BROS. FLOUR MILLS, BEATRICE, NEBRASKA

FLOUR 1 BBLS

1-: 1323

STOCK FEED 250 TONS



"OKOMA

(Special Bakers' Patent)

Gives perfect satisfaction in stability, performance, volume; will aid any baker in increasing his volume and earnings.

Oklahoma City Mill & Elevator Co. OKLAHOMA CITY, OKLAHOMA

BESTOVAL competes on a strictly quality basis with

any flour offered you and on a price basis with any flour of approximately equal merit.

BESTOVAL

BAKERS SPECIAL PATENT FLOUR Makes the Dough

The Acme Flour Mills Co.

OKLAHOMA CITY, OKLA., U. S. A.

FOR FAMILY TRADE

MOTHER'S BEST

FLOUR

A MELLOW GLUTEN FLOUR DESIGNED for HOUSEWIFE

> Made Right Priced Right

Nebraska Consolidated Mills

Catering to FAMILY TRADE OMAHA, NEBRASKA

"Gooch's Best"

Superior quality -to make all baked things better.

Gooch Milling & Elevator Co.

"Sasnak Flour"

For Discriminating Eastern Buyers

ENNS MILLING Co., Inman, Kan.

KANSAS MAID-

A fancy high patent flour milled from strictly dark Turkey Wheat

Hays City Flour Mills Hays City

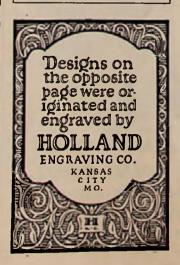
Chickasha Milling Co.

Capacity CHICKASHA CableAddress 800 bbls OKLA. "Washita" Manufacturers of High-Grade Hard Wheat Flour Foreign and Domestic Tracie Solicited Member Millers' National Federation

"SLOGAN"

A strong flour made from the finest Oklahoma Hard Turkey Wheat

Canadian Mill & Elevator Co.



Letters to the Editor

(Continued from page 872.)

drated) is not pleasant to take ther figured it could be worked into bread for people to eat that way instead of taking medicine.

figured it could be worked into bread for people to eat that way instead of taking medicine.

So you see it is not the farmer who wants to sell his beans, or the people who are harvesting sea kelp, but is actually the doctors, and not the food fakers, who are demanding that the bakers work with them, which they will eventually have to do, as almost all the doctors are working with diets, and all of them can't be wrong. A doctor came into my place yesterday and told me he wished that all bakers would work with them as I am doing; that it would help a great deal; and made a remark I want to pass on. He said, "The doctor is only a health adviser to the human body, and the kitchen in the home should be the scientific laboratory; therefore the food should receive the most serious consideration in order to retain the health and happiness of the home."

So much for this part of the baking end. Let us examine what mother and father used to do about 40 or 50 years have not progressed notably in actual baking, as the women have maintained the skill which has been taught them. How is it the women claim to be superior bakers to men? A woman is a natural born baker, who takes pride in her work and produces the best she knows to please the family and to show her skill to the guest present at her table. A woman will buy the best of material obtainable. She will attend lectures given by home economics experts, and always tries to improve her baking and cooking. Even if she does make a failure once in a while, she is forgiven, because mother made it, and mother made the noble effort to do her best. Therefore, she will always be the Queen of Baking.

I hear so much lately (and also advertised by hig bakery concerns) of

Therefore, she will always be the Queen of Baking.

I hear so much lately (and also advertised by hig bakery concerns) of cakes being made by recipes from a housewife. It is really ridiculous,—the way I look at it,—as in years gone by a baker who maintained a bakery had to know his stuff. There were no such slagans as "Like mother used to make it" So let us see what is the cause of this. As I said before, the average bakers had to know their business and had to serve considerable time before they became real bakers. Nine out of ten of them, 40 years ago, could give you correct information as to bread and cakes, as there were no such things as large bakeries. Living now has become easier. The work has here has been made lighter than in forther has been made lighter than in forther ways to be a such base here were had been made lighter than in forther has been made lighter than in forther ways and the such has a better than in forther ways and the such has a been made lighter than in forther ways and the such has a been ways to be a such has a been ways to be a such base here were no such that has a better than in forther ways the such has a been ways to be a such as a such as a such a such as a suc Living now has become easier. The work also has been made lighter than in former years, and luxuries which have hecome necessities have also entered the baker's life. Therefore, he has become anore careless. The tremendous opposition of today has forced him to use substitutes and programmer in his work. stitutes and poor material in his work. So, therefore, mother is sticking to her former standards, and the small baker is forced out of business.

former standards, and the small baker is fored out of business.

Now let us see what is going on. The larger bakeries have progressed unbelievably in the line of labor saving devices. Fifteen men are doing the work that 200 bakers used to do. Everything is figured for efficiency and production on a large scale, in order to make large dividends for the capital invested. Take the man who is employed in an up-to-date bakery. He does only one or two things. He does not know the fundamental principles that an old-time baker had to know in order to turn out his work. There are only a few real bakers in every large plant who know their business. It is not necessary to have more, as the machine will do the work. On the other hand, who wants to slave and mix dough by hand today, which I thought was the most cruel and hardest work imaginable, and by the way it was not sanitary—men sweating over large doughs. So all this has been done away with, for which everybody should be mighty thankful. On the other hand, you have to admit that the ordinary baker is drifting from the way mother and father used to make bakery goods, and therefore the baker of today will not catch up with mother.

W. C. Baker,

Proprietor, Ojai Bakery.

ESTABLISHED 1877

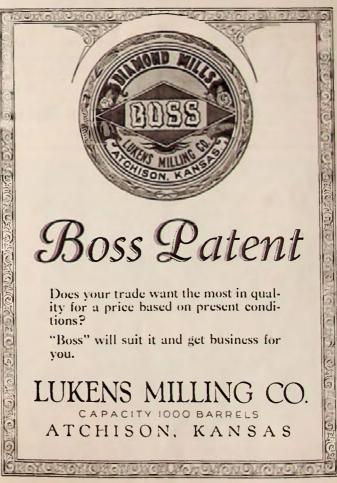
Made from wheat that grows from within a few hundred yards of our mill door clear to the horizon and for scores of miles beyond reach of the eye,—millions of acres of the world's finest wheat. The very best of it goes into this splendid flour

for your better baking.

WALNUT CREEK MILLING CO.



ADDRESS MAIL TO ROSEDALE STATION, KANSAS CITY, KANSAS



COLUME TO LUME TO

Our very first and finest quality leader for bakers who are meeting and beating conditions by making the very finest loaf of bread possible. It does not cost as much more as you may think, but you will be glad of every dime you spent to get this quarter better flour.

The WICHITA FLOUR MILLS CO.

WICHITA, KANSAS

Wheat Storage Capacity, One Million Bushels

CAPACITY, 2,500 BARRELS

"Sweetheart"

Short Patent Flour

Others may vary with the wheat crop quality, but "Sweetheart" is always the same.

From finest Turkey wheat.

REA-PATTERSON MILLING CO.

"SPARTAN"-Export Brands-"ARISTOCRAT"
2400 Barrels Capacity.

COFFEYVILLE - KANSAS

"Economy Special"

A High Protein Bakers' Patent from Central and Western Kansas Strong Wheat Barton County Flour Mills Co. GREAT BEND, KANSAS



LYONS' BEST

Never Too Late to Try

Lots of flours give satisfaction. But have you ever tried one that astonished you with its exceptional baking results? We think it entirely likely that "LYONS' BEST" may do it.

Why not try it?

LYONS FLOUR MILLING CO.

Lyons, Kansas

Bakers - Jobbers

ROMEO Hard Wheat Flour

is the best that can be made at any price.

Baur Flour Mills Co.

ST. LOUIS, MO.

"Heart of America" FLOUR

The Rodney Milling Co.

Eastern Representatives
Seaboard Flour Corporation
BOSTON, MASS.



·Superflour

Want a flour that stands up to its baking job? Fairly priced on basis of honest merit.

he Willis Norton Company

NORTH TOPEKA, KANSAS.

Quality Millers Since 1879



This scheme of burning wheat in place of coal is interesting, but wouldn't it make everybody buy new grates? We have a way to get around that. Our plan to make a whent furnace fire is as follows: build up a base of shredded wheat biscuit, and after it is burning nicely, sprinkle wheat flakes on top. To bank the fire, use baking powder biscuits with a sifting of flapjack flour. The plan is not patented; go ahead and use it.

—F. K. HASKELL



News bulletin.—Tobacco fed to be chicks at Pennsylvania State College making them grow bigger and faster.

Two drunks were chinning about get-

Iwo drunks were cinning about get-ting home stewed and hitting "the hay" without disturbing the "Little Woman." "Well," said the first drunk, "my sys-tem is a pip. Instead of taking any chances and bumping into furniture, I stop at the foot of the stairs and undress

stop at the foot of the stairs and undress there. Then, with my clothes on my arm, I sneak up, see? I lay 'em on the first chair I come to and slip into bed. S'nothing to it!"

The following night the other stew encountered his pal. "I tried your system last night," he chirped, "and not so good!"

"Why—what happened?" he was asked.

"Well, I got home pretty plastered, and when I got to the foot of the stairs I took everything off, folded the clothes over my arm and started up, and when I got to the head of the stairs—I was in Gray's drug store!"—Walter Winchell.

IN FEWER WORDS

The difference between good girls and bad girls, observes Shannon Cornack, is that good girls get taken in and bad girls get taken out.—Walter Winchell.

Teacher: "Did your father help you with this problem?"
Willie: "No. I got it wrong myself."
-The Dutch Girl.

Mother: "Willie, I heard that instead

of going to Sunday school this morning you played football."

Willie: "That isn't true—and I've got a string of fish to prove it."

OVER HIS HEAD

A young lady entered our store and asked for a pound of floor wax.
"I'm sorry, miss," replied the clerk, "we only sell sealing wax."
"Don't be silly," she remarked. "Why should any one want to dance on the

WHAT FUN

A cigarette company has a new slogan, "Keep Kissable!" This will probably lead to one of those tests where they blindfold you, let you kiss six girls and

then tell Mr. Ripley which one you liked best.-II. I. Phillips in the New York

Tom Van Dyck vows it actually hap-pened. A race track tout who always cornered Tom, offered him a "sure thing" for that day. Tom asked the tout to stop bothering him with his sure thing

stop bothering him with his sure thing wagers.

The following day the tout ran into Van Dyck again and breathlessly said: "Give me three dollars and don't ask questions!" Tom handed the tout three pennies and walked away.

An hour or so later the tout phoned Tom. "Where can 1 meet you right away?" he said. "I've got 33c for you. Your horse was a walk-in and paid 10 to 1!"—Walter Winchell.

LIGHT-FOOTED

Ho: "When I dance with you I feel as though I were treading on clouds!"

She: "Don't kid yourself; those are my feet!"

Small Boy: "Plense, doctor, come to our house quick."
Doctor: "Why, who's ill?"
Small Boy: "Everybody but me. I was a naughty boy, and they wouldn't let me have any of the mushrooms father hrought home from the wood."

Dizz: "Why, I'll betcha a buck you won't even marry me." Fizz: "I'll take ya, and raise ya five." (And do you think she didn't?)

Still, the wife insists, the woman who drives from the back seat is no worse than the bushand who cooks from the dining room table.

> Round Lots Fancy First Clears

MOUNDRIDGE MILLING CO.

AROMA FLOUR

A most satisfying flour for bakers' use. Milled in an up-to-date country mill. BUHLER MILL & ELEVATOR CO. 500 Barrels Capacity BUHLER, KANSAS

Blackburn's Best-Elko-Golden Glory

BLACKBURN MILLING CO. Omaha, Neb.



HOGAN'S "BEST YET"

THE HOGAN MILLING CO.

"PLAINSMAN"

WHOLE WHEAT FLOUR
is sterilized and will keep
indefinitely

HOYLAND FLOUR MILLS CO. KANSAS CITY, MO

"JUBILEE"

FLOUR One of the very best from Kansas

The Aurora Flour Mills Co.

uccessors to Tyler & Company JUNCTION CITY, KANSAS

"THORO-BREAD"

Look around and keep looking around. Everybody shops nowadays. And when you have looked all around, come back and we will show you real money - value, bakingvalue flour.

THE ARNOLD MILLING CO. STERLING, KANSAS

A L JACOBSON, Mannaer

New York Representative J. H. Blake, 204 Produce Exchange. Territorial Representatives (B. T. Lenner) — Co., 315 Read Bldg., Pawtucket, R. L. and J. V. & A. W. Godfrey, 177 Milk Street, Boston, Mc.





SUCCESSFUL YEARS PROVE Superior CAKE and PASTRY FLOURS Are Made By BOONVILLE MILLS COMPANY ESTABLISHED 1852 AT BOONVILLE, MISSOURI 1,500 Barrels Daily

TEPHYR FLOUR

AS FINE A BAKING FLOUR AS A BAKER CAN BUY AT ANY PRICE

BOWERSOCK MILLS & POWER CO.

LAWRENCE, KANSAS

"SUNKIST" FLOUR

Made from specially selected wheat, under constant labora-tory control and guaranteed to

Let us quote you before you buy.

The Maney Milling Co. OMAHA, NEBRASKA

Established 1878

Eberle-Albrecht Flour Co.

Exporters

Always open for new foreign connections

ST. LOUIS, MO.

KEYSTONE MILLING **COMPANY**

Capacity, 750 Barrels LARNED KANSAS

"Wichita's Imperial"

A flour for particular bakers made from Strong Kansas Turkey Wheat. THE IMPERIAL FLOUR MILLS CO. GENERAL OFFICES: WICHITA, KANSAS

NEBBASKA'S FINEST MILL

"DAVID HARUM"

FLOUR

Lexington Mill & Elevator Co. 500 Bbls Capacity LEXINGTON, NEB.

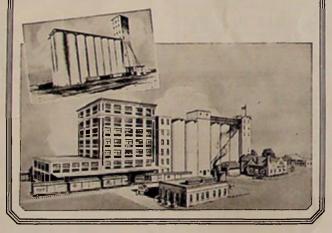


"BIG S"

is one flour you can bet your whole baking future on. Two other good ones are

"PEACOCK" and "SPECIAL"

The Shellabarger Mills SALINA, KANSAS



GOLD BELL SILVER BELL

Bakery flours of exceptional quality

Topeka Flour Mills Corp. Topeka, Kansas

Self-Rising Flour Milled from farmers. Packed under our attractive brand..." TRAIL"

ECONOMY The Wilson Flour Mills READY BALES Wilson, Kansas

Scott County Milling Co.

Manufacturers of Hard and Soft Winter Wheat Flour

SIKESTON, MISSOURI

"GOLD BOND"

Central Kansas Milling Co. LYONS, KANSAS

"OLD HOMESTEAD"

Milled from Western Kansas High Gluten Wheat Plain and Self Rising Flours THE DODGE CITY FLOUR MILLS Dodge City, Kansas

Frank M. Cole, Gen'l Mgr. FLOUR STORAGE Costs little more than in your own warehouse

Hard Wheat Flour milled from the famous enstern Colorado hard Turkey red wheat. Soft Wheat Flour with distinctive flavor and unsurpassed quality. Our self-ising "Fike's Peak" is a trade builder. Representatives wanted. Write us. RADIAL WAREHOUSE CO. THE CRESCENT FLOUR MILLS, Denver, Colo.
Daily Capacity, 1,000 Barrels. Refer to any banker or miller in Kansas City MO.

In every community today some Baker is making good by using Good Flour. Many Bakers who struggle to keep going, buy cheap Flour.

The Page Mills make Good Flour and price it reasonably-The Baker always gets good value from Page's.

"It Pays to Buy of Page's"

The Thomas Page Mill Co. Topeka, Kansas

An Excellent Flour at a Fair Price Is

VESTERN STAR''

Milled in the Heart of the Best Wheat Country

> The Western Star Mill Co. SALINA, KANSAS

J. J. VANIER, Manager

Page's Best Page's No. 1 Climax Prairie Flour

LEADING MILLS OF CANADA WAR



BY APPOINTMENT TO

TELEGRAPHIC AND CABLE ADDRESS
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Codes Used-Private, A B C 4th & 5th, Western Union, Riverside, A1, Bentley's



FORT WILLIAM MILLS

MILLS AT MONTREAL, FORT WILLIAM, WINNIPEG, EDMONTON AND MEDICINE HAT

Daily Mill Capacity

ELEVATOR CAPACITY
10,335,000 Bushels

WAREHOUSE CAPACITY 377,000 BARRELS

THE OGILVIE FLOUR MILLS CO., LIMITED

HEAD OFFICE: MONTREAL CANADA

BRANCH OFFICES AT ST. JOHN, QUEBEC, OTTAWA, TOBONTO, LONDON, HAMILTON, CALGARY, VANCOUVER

BRANDS - "ROYAL HOUSEHOLD," "GLENORA," "FAMOUS" AND "BUFFALO"

The Canadian Bag Company, Ltd.

JUTE
BAGS
COTTON

Cable Address: "DOMBAY"

For an artist to achieve popularity in the "Movie" business "SEX APPEAL" is an important requisite, but to satisfy in the Bag business "SACKS APPEAL" is even more necessary.

OUR BAGS HAVE IT.

Factories: MONTREAL, TORONTO, WINNIPEG, VANCOUVER





WESTERN CANADA FLOUR MILLS CO., LIMITED

Mills at

Winnipeg - Goderich - Brandon - Calgary - Edmonton - Victoria

Head Office: TORONTO, CANADA

BRANDS

PURITY - THREE STARS - BATTLE

Daily Capacity, 10,000 Barrels Flour - 800 Rolled Oats and Oatmeal

Cable Address: "LAKURON"

UALITY UNIFORMLY

MAINTAINED

SINCE

1887

Lake of the Woods Milling Co., Limited

Cable Address
"HASTINGS"

Montreal



Codes
ABC 4th & 5th Editions
Riverside 1901

Makers of CANADIAN HARD SPRING WHEAT Flour

Owning and Operating
125 Wheat-Receiving Elevators in Manitoba,
Saskatchewan and Alberta

Mills at

Montreal, Brantford, Keewatin, Portage la Prairie,
Medicine Hat

Daily Capacity, 40,000 Bags of 98 lbs.

HEAD OFFICE: MONTREAL

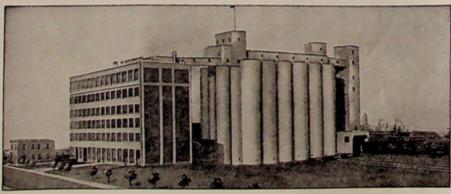
Offices:

WESTERN OFFICE: WINNIPEG

TORONTO, OTTAWA, QUEBEC, ST. JOHN, N. B., HAMILTON, BRANTFORD, SUDBURY, LONI SAULT STE. MARIE, FORT WILLIAM, KEEWATIN, MEDICINE HAT, PORTAGE LA PRAIRIE, CALGARY, MOOSE JAW, REGINA, EDMONTON, VANCOUVER, VICTORIA

COMPETITION ONLY STIMULATES OUR SALES

CHOICEST
CANADIAN
HARD SPRING
WHEAT
AND
PERFECT
MILLING
FACILITIES
HAVE
PLACED
OUR
PRODUCTS
IN THE



"Homeland"

BRANDS

Blossom"

"Woodland"

"Victory"

"Prairie

HAMILTON BRANTFORD

Capacity, 8,000 Bbls

Cable Address:
"DOMFLOUR"
Riverside Code

OUR SEABOARD MILL AT MONTREAL

The Dominion Flour Mills, Ltd.

Branch Offices at HALIFAX, QUEBEC and TOBONTO

MONTREAL, CANADA

Bakeshop Notes

NEW BAKERIES

Three bakeries have merged, and are heing operated as the St. Louis Italian Bread Co., 1614 Biddle Street, St. Louis, Mo.

Paulson's Home Bakery, 1147 Sixth Avenue East, Duluth, Minn.
Sorenson Bakery, 3413 Minnehaha, Minneapolis, Minn.
C. P. Keller, of Muskogee, Okla., has launched a bakery at Friend, Neb.
James Orr has opened a wholesale and retail shop at Lake Mills, Iowa.

Dell Rapids, S. D., has a new shop operated by Sever Schmidt, formerly of Luverne, Minn.

The Gooch Food Products Co., Lincoln, Neb., will replace its burned plant at an estimated cost of \$75,000.

N. C. Pearson has engaged in baking at Wascea, Minn.
Centuria, Wis., has a new bakery, operated by Mrs. E. J. Holen.

The Conlon Bakery is a new enterprise at Armstrong, Iowa.

Peterson's Bakery, 4452 Nicollet Avenue, Minneapolis, Minn.

The Rainbow Baking Service has been launched at Superior, Wis.
Phillips Bakery, 2219 Piedmont Avenue, Duluth, Minn.

T. C. Peterson, of Mason City, has engaged in baking at Elma, Iowa.

Mrs. McHugh has opened a bakery in Ortonvile, Minn.

Bruce & Whitney will operate a bakery at Humboldt, Neh.

Harrold's Bakery, operated by Harold Tromblee, has been opened in Woodward, Okla.

Harry Julius has launched a bakery in Clovis, N. M.

The New Home Bakery, Corning, Ark.,

in e New Home Bakery, Corning, Ark., is a recent venture.
G. B. Morgan, of Burden, Kansas, has opened the Pond Creek (Okla.) Bakery. Herman Bertoniere, Bogalusa, La., has formed a partnership with John Aouielle,

Covington, La., where they will operate as Aouielle & Bertoniere's Bakery.

A wholesale bakery has been opened at 829 Fourth Street, Grinnell, lown, by T. H. Crickett.

Pierre Morere has reopened the Keller Bakery, New Orleans, La., under the management of Hans Zingerson.

Louie Jacobi has opened a wholesale and retail bakery in Waveland, Miss.

Barrows-Hileks, Inc., Providence, R. I., has been incorporated by Wilfred W. Hicks, George A. Barrows and Morris S. Waldman to do a general baking business. business.

S. Waldman to do a general baking business.

The Star Cake Corporation, Boston, Mass., with \$10,000 capital stock, to do a wholesale and retail baking business, has been incorporated. Officers are F. Scarpaci president, Ida A. Scaruzzo trensurer, and G. A. Corradino clerk.

The Bay State Bakery, Brockton, Mass., with \$50,000 capital stock, has been formed to do a general baking husiness. John D. Dickron is president.

The Markus Bakery, Monson, Mass., has been incorporated by Josephine A., Herman A. and Mary M. Marcus.

Food, Inc., is a new haking corporation, with main offices in Boston, Mass. President, A. F. Rosenberger, Needham, Mass.

President, A. F. Rosenberger, Needham, Mass.
Blemett Bread Co., Inc., Somerville, Mass., wholesale and retail bakery. Barbara Blemett is president and treasurer.
Fred S. Dunlap has launched the Standard Baking Co., with \$20,000 capital stock, at Claysburg, Pa.
The Emerald Stores Co. has opened a bakery at 3537 Germantown Avenue, Philadelphia, Pa.
Elizabeth Eppstein has opened the Dain-T Cake Shop at 1103 South Forty-eventh Street, Philadelphia, Pa.
The Wesley Baking Co. has engaged in business at 14301 Birwood Avenue, Detroit, Mich.

Detroit, Mich.

(Continued on page \$83.)

SPILLERS CANADIAN MILLING CO. Limited

VANCOUVER MILLING and GRAIN CO. Limited

Vancouver Milling and Grain Co. Limited Cable Address: "Stilleo," Vancouver, Canada

EUROPEAN AGENTS
No. 1 Milling Group Export Company,
40, St. Mary Axe, London, E. C. J. England

Mills at CALGARY and VANCOUVER

Copeland Flour Mills, Ltd.

MILLERS

CANADIAN HARD SPRING WHEAT FLOURS

Midland, Canada

Cable Address: MIDCOP.

Codes: RIVERSIDE, BENTLEY, A. B. C., Etc.

TORONTO ELEVATORS, Ltd.

Two Million Bushels Capacity

JAMES PLATFAIR, President

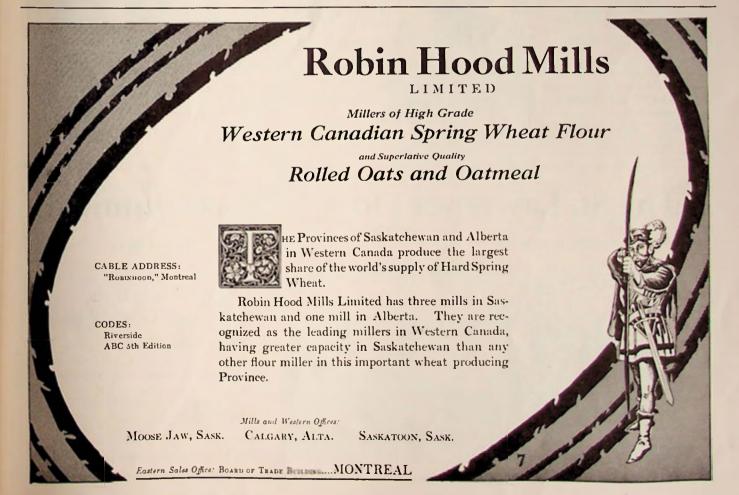
GORDON C. LEITCH, General Manager



TORONTO, ONTARIO

United States shippers will find our stor-age and service equal to this continent.

letters or will if interested.



"Shawley,"

Toronto,

Canada

Cable

Address-

Total Daily Capacity 24.500 Barrels Flour



TORONTO MILLS

Maple Veaf Milling Co. Limited.

KENORA, ONTARIO TORONTO, ONTARIO BRANDON, MANITOBA THOROLD, ONTARIO

PETERBORO, ONTARIO MEDICINE HAT, ALBERTA PORT COLBORNE, ONTARIO



Export Flour INSURANCE

"All Risks"

Special Service to Flour Mills on Export and Domestic Ocean and Lake Insurance and Transportation

Twenty-Five Years' Experience in Export Flour Handling

Western Assurance Company

701 Royal Bank Building, TORONTO

F. C. THOMPSON CO., LTD. Canadian Agents Royal Bank Bldg., Toronto, Canada

APPLETON & COX, INC., American Agents 8 South William St., New York

If you want a new flour brand or wish one of your present brands redesigned, let us solve your problem. For this purpose we maintain the Bemis Art Service Department, whose work is solely confined to originating and designing brands. BEMIS BRO.BAG CO. JUTE, BURLAP, COTTON PAPER BAGS. **TWINE** Winnipeg Manitoba

COPELAND AND ELLIOTT

Flour, Feed and Grain

TORONTO, CANADA

Correspondence Invited
Cable Address: "Coell," Toronto

Canadian Hard Spring Wheat 340 Elevators in Manitoba Saskatchewan and Alberta

United Grain Growers, Ltd.

VANNATTER & CO., LTD. TORONTO, CANADA GRAIN...FLOUR.....FEED

Domestic and Expor

Established 1857

James Richardson & Sons, Ltd.

GRAIN MERCHANTS

Owners and Operators of Public Terminals, Private Terminals and Country Line Elevators Grain Receivors - Grain Shippers Grain Exporters

If you are interested in Canadian Grain we would be glad to hear from you. We make a specialty of Millers' Trade.

Head Office: WINNIPEG, MANITOBA

Western Branches: Winnipeg Port Arthur Calgary Saskateon Eastern Branches: Toronto Montroal

Export Offices.

MONTREAL

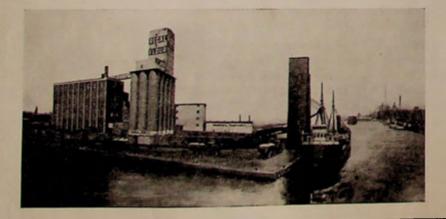
Private Wire Connections From Coast to Coast

The St. Lawrence Flour Mills Co., Limited

MONTREAL

CAPITAL, \$1,800.000

CAPACITY, 3,000 BARRELS DAILY



Brands:

Regal, Daily Bread, National, Citadel, Signal

TO IMPORTERS:

We guarantee that our flours are not bleached, blended nor "improved" in any shape or form, but are the pure product of the best MANITOBA HARD WHEATS.

A trial is all that is required to make a contented customer

Bakeshop Notes

(Continued from page 881.)

(Continued fr. 18 Stager Baking Co. Staunton, Va. 18 Stager Baking Co. Stager Baking Co.

CHANGES IN OWNERSHIP

CHANGES IN OWNERSHIP

H. Watson has sold The Parshall
(N. D.) Bakery to V. L. Remington.
The New Bakery, Sturgis, N. D., is
operated by Otto Wayrynen.
The Sanitary Bakery, Viroqua, Wis.,
has been taken over by Sever Tovold.
L. H. Baston has sold The Better Yet
Bakery, Tomah, Wis., to John Ritzinger.
A. L. Kolby has purchased The Model
Bakery, Columbia, Mo., and changed its
name to Kolby's Bakery.
G. W. Swan has taken over the Snow
White Bakery, Pond Creek, Okla.
The Dexter (Iowa) Home Bakery has
been sold to J. W. Dowd.
Ray Hanson has become sole owner
of the Gowrie (Iowa) Bakery.
Annold Hannon, of Halstad, Minn.,
has taken over the Ada (Minn.) Bakery.
A. Junge, 920 South Sarah Street, St.
Louis, Mo., has sold his bakery to J.
Klingles,
H. Heidland, 937 Goodfellow, St.

Louis, Mo.,
Klingles,
H. Heidland, 937 Goodfellow,
H. Heidland, 937 Goodfellow, Louis, Mo., sold his bakery to E. Tibisler.
A. Wuerbel has taken over the Hygenic
Bakery, 1908 Grand Boulevard, St. Louis,

Bakery, 1908 Grand Boulevard, St. Louis, Mo.

L. J. Amptman has purchased The Thompson Bakery, 2823 Clara Avenue, St. Louis, Mo.

William Delastratta is now owner of the North Central Bakery, 576 Charles Street, St. Paul, Minn.

Walter Erickson has purchased the Vehlen (S. D.) Bakery.

Art Behrendt is conducting the bakery at 308 Rice Street, St. Paul, Minn.

V. Lotz has purchased the Mellen (Wis.) Bakery.

v. Lotz has purchased the Mellen (Wis.) Bakery. The Bread Box Bakery, Grand Meadow, Minn., has been sold to Soren-son & Knowlton.

The Woodward Bakery, 5431 Virginia, t. Louis, Mo., has been sold to F.

Tomiser.
Philip Timothy has purchased the Commercial Steam Bakery, Slidell, La.
Otto Oblof, 717 West Huntingdon
Street, Philadelphia, Pa., has sold to
Frank Kendell.
The Honte Bakery, Clinton, Okla., has
been leased by M. E. Perry, of Hattiesburg, Miss.
Lewis Basenbloom has taken over the Lewis Rosenbloom has taken over the

Feldman Bakery, Pittsburgh, Pa.
Walter C. Light has purchased the bakery at 34 White Street, Danbury,

OUT OF BUSINESS

Henry's Bakery, 4328 Oncida Street, Duluth, Minn.
William Hammer, Ironwood, Mich., has closed his Home Bakery.
St. John's Baking Co., 1625 Washing-ton Avenue Northeast, Minneapolis, Minn.

Simmons Bakery, Wakpala,

The Simmons Bakery, Wakpala, (S. D.) has been closed.

The Koppeis Bakery, St. Louis, Mo., is in the hands of a receiver.

L. Bransletter, 5503 Easton Avenue, St. Louis, Mo.

St. Louis, Mo.

The Palace Bakery, 2013 South Thirtyninth Street, St. Louis, Mo.

Smissmann Bakery, 1821 St. Louis
Avenue, East St. Louis, III.

O'Hagan Bakery, Inc., Nyack, N. Y.
Liabilities listed, \$42,762; assets, \$18,126.

A. F. Wright, Westford, Mass., voluntary bankrupt, lists liabilities at \$642; no
assets.

Nelson Dufauld, Springfield, Mass., is a voluntary bankrupt. Liabilities, \$2,674; assets, none.

Voluntary bankrupt, Alexander Angon, Boston; liabilities, \$6,111; assets, \$2,000.

E. H. Broyhill, Cushing, Okla. Liabilities, \$6,083; assets, \$5,903.

The bakery at Sand Springs, Okla., has been closed.

IN GENERAL

The Grant Baking Co., Amarillo, Texas, is constructing a \$100,000 plant.

The Fehr Baking Co., Beaumont, Texas, has installed two ovens, costing \$35,-

Due to the death of Elmiro Marasco, the other members of the firm have formed a new partnership as Marasco Bros., Republic, Pa., to conduct a bak-

The Karp Baking Co., Inc., Stamford, Conn., has moved to 157 Myrtle Avenue.

JAMES WILSON & SONS FERGUS, ONTARIO, CANADA MANUFACTURERS OF Rolled Oats, Oatmeal, Pot Barley.

Pearl Barley and Feeds Correspondence solicited.

Cascade Milling & Elevator Co. Cascade, Montana

CASCADE

"Diamond D" A High Grade Baker's Spring Patent. Milled under Laboratory Control from Montana Spring Wheat.

Sheridan Flouring Mills, Incorporated

SHERIDAN, WYOMING

GIANT Standard Patent

Fancy Patent High Gluten flours of outstanding quality

Fort Garry Flour Mills MILL AT SASKATOON, SASK., CANADA SALES OFFICE MONTREAL, CANADA Codes: Benuley's-Riverside Cable Address: "FORTGARRY BOX 2190

W. R. CLARKE. J. G. WOLVERTON, President and General Manager Wolverton Flour Mills Co., Ltd. Select Hard Spring Wheat Flour "Wolf" SILVERKING" "GREAT STAR" Choice Ontario Winter Wheat Flour "KEYSTONE" Mills at-New Hamburg, Seaforth, St. Marg's
Cable Address: "WOLMACS"
Address all correspondence to ST. MARY'S, ONTARIO, CANADA



Flour AND Feed TORONTO, CANADA

> N. H. CAMPBELL, PRES. AND MGR. J. W. CORNISH, SUPT. CABLE ADDRESS: LAKESIDE, TORONTO CODES RIVERSIDE - RENTLEY

CANADIAN FLOUR EXPORT COMPANY

TORONTO, CANADA

McLeod Milling Co., Ltd.

Manitoba Springs Outurio Winter Flour and Blends. Our location guarantees quick service to Atlantic scaports STRATFORD, ONTARIO, CANADA Cable Address: McLeod, Stratford Codes: Riverside, Bentley, A B C5th Edition

R. C. PRATT

FLOUR - Exporter-CEREALS TORONTO, CANADA Cable Address: "Phantitico," Toronto. Codes: ABC5th Edition, Bentley, Riverside

Sapphire Judith Gold Cross

Tis the Wheat"

For Stability - High Protein - Strength - Yield

Montana Flour

Montana leads in high protein wheat. All our brands are milled exclusively from Montana wheat. This explains the reputation of our flour for standing up in baking for delivering just the flavor and volume you require—for being dependable always.

MONTANA FLOUR MILLS CO.

General Offices

GREAT FALLS, MONTANA

The Ansted & Burk Co.

Millers Since 1846, but Up-to-the-Minute in Ideas SPRINGFIELD, OHIO

Manufacturing a Complete Line of Flours for the Particular Baker

WILLIAM TELL'S

Master Bread Flour Master Pie Crust Flour Master Cake Flour

Each specially milled for the kind of baking its name indicates. Our mills are located on direct line between best wheat section and the flour markets, giving you advantage of lowest possible freights.

Quality guaranteed and to run uniform.

Mills' capacity 1,200 barrels daily. Large enough for Service, small enough for Personal Interest and Attention.

BREAD FLOUR CAKE FLOUR FAMILY FLOUR

The Mennel Milling Co.

Toledo, Ohio, U.S.A.

Bakers—

When comparing Spring Wheat Flour use

"BULL DOG"

for your standard

Made by The Fairchild Milling Company CLEVELAND, OHIO

Ohio Soft Wheat Flour

OF HIGHEST QUALITY

THE ALLEN & WHEELER CO. Domestic and Export

MELLOW CREAM CAKE FLOUR

Made from SELECTED PURE SOFT WHEATS NORTHWESTERN ELEVATOR & MILL COMPANY TOLEDO, OHIO

A Newcomer in the Sugar Family

(Continued from page \$14.

drous dextroge." On June 20, the standards of purity for these products were raised in a new series of definitions promulgated by the Food, Drug and Insecticide Administration of the Department of Agriculture. The new definitions call for quality standards on an approximate parity with cane and beet sugars.

approximate parity with cane and beet sugars.

So far as the bread baking industry is concerned, a fight rages in the inner sanctums of the laboratory as to whether dextrose is any more quickly fermentable than sucrose, and whether, if it is more readily fermentable, its virtue as an improver of texture, color, crumb and loaf volume is thereby established per se. There is a lot to be said on both sides. Prominent authorities have expressed themselves as being about equally divided on the subject. Meanwhile, about the worst that can be said for dextrose in bread baking is that it feeds the yeast just as well as sucrose and costs less money.



Specialized Laboratory
Service for Millers
Grain Doalers Bakers
Feed Manufacturers
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Hardesty Milling Co.

Quality Millers for Over Half a Century

Domestic and Export

DOVER, OHIO

THE WARWICK CO.

Makers and Shippers Figure Choice Winter Wheat MASSILLON, OHIO

The Williams Bros. Co.

Merchant Millers KENT, OHIO, U.S. A.
Specialists Ohio Winter Wheat Flour
All our wheat is grown on "Western
Reserve" and bought from the growers at elevators we own and operate.

MAS-SOTA Spring Patent Flour BCCO Blended Patent Flour ENERGY Horse Feed MALTO Dairy Feed a Spo

The Buckeye Cereal Co.

The practical man is content to judge by his own observation of results from day to day, and leave theorizing to the chemists. Those of the bread baking trade who have accepted the mew sugar on this basis are strong in their conviction that their eyes and hands do not deceive them, and that with this new foothey are getting a finished loaf which not only satisfies them a whole lot better, but which appears to be satisfying the customers also.

The status of dextrose in the sweet dough field admits of no particular controversy. The advantages in flavor, texture and keeping quality have been mee or less definitely on the side of dextrose. Being somewhat less sweet than sucrose, the iclings, frostings, meringue and fillings which have been made with that on the fruit and other flavor, used in these products been masked and made unappetizing, as so often happen with overgenerous sweetening with ordinary sugar. Grease contings, cold leings, butter creams, etc., in which the pulverized sugar remains undissolved in the crystal state, have been found to take on a distinct coolness of taste, the sensition being due to the rapidity with which the dextrose crystals abstract heat from the mouth in going into solution.

One of the many fields for the new sugar which remain to be investigated in the manufacture of prepared flours, cake mixes and the like, where its superior digestibility and easy mixing properties should especially commend it to the consumer.

EDITOR'S NOTE.—Mr. Lund, the author of this article, has been a professional purchasing agent associated with the food industries for the past 15 years, was formerly editor of the Manufacturing Confectioner, and is at present head of A. A. Lund & Associates, a research and merchandising organization.

BAKER SHOT IN HOLDUP ATTI MPT
BALTIMORE, Mb.—R. Wallace Kolk,
president of the Kolb Baking Co., Baltimore, was shot in the leg early on the
morning of Aug. 17, in attempting to
escape from a bandit who jumped on the
running board of Mr. Kolb's automobile,
while he was driving on Cold Spring
Lane in Guilford, one of Baltimore's
most fashionable residential sections.

T PHOSPHATE 80 STRENGTH Uniformly 08% Purity
PROVIDENT CHEMICAL

WORKS Established 1876-St. Louis WO Division of the SWANN Corporation

Don't Worry About New Wheat Flour!

You can safeguard yourself by purchasing new crop flour from a mill so located that it can pick of the cream of new wheat, regardless of where grown. Under our milling-in-transit arrangements, we are able to go to any section for the best wheat, securing through rates from where the wheat is grown to any city or town east of the Mississippi River; so we can pledge to you that regardless of the quality of the new crop in any particular section, the high quality standards of Lawrenceburg flours will not vary.

Let us quote you on better flours for your every need!

Lawrenceburg Roller Mills Co. LAWRENCEBURG, IND. Elevator Capacity 750,000 bushels

Daily Capacity 2,500 barrels



J. ALLEN SMITH & COMPANY, Inc. KNOXVILLE : TENN.

Soft Wheat Flour Hard Wheat Flour (for Bakers) White Corn Meal

Domestic and Export

Ask for Prices

They're Jewels of the First Water



Yes, to the bread-baker they are finer than diamonds, pearls and rubies. They are jewels of the first water—and first water means thirsty flours. They like water and lots of it. They yield exceptional volume—plus real quality in flavor and texture. Result—more bread for you; better bread for your trade.

REXOTA

Hard Winter Wheat

EARLY RISER

Hard Spring Wheat

Equally brilliant in their respective fields are our other four special quality flours for bakers' use.

, For Crackers-KISMET soft winter wheat.

For Cakes-KISMET SUPER-PATENT-soft winter wheat.

For Bread—COMPETITION—hard spring wheat.

For Bread-GOOD CATCH-hard winter wheat.

Any information desired promptly supplied.

NOBLESVILLE MILLING COMPANY

Elevator Capacity, 750,000 Bushels

Mill Capacity, 1 200 Barrels Daily

Announcing the

Mixed Cars

Spring and
Soft Winter Wheat
Flour for

Bakers' Trade

Our location is very favorable for grinding both soft winter and spring wheat flours, and unusually advantageous for making prompt shipments.

Mayflower Mills

Ft. Wayne, Ind.

Write for Samples and Prices
Cable Address "Igleheard Bus. Inc.

Established 1856 Soft Winter Wheat bloom

MERCHANT MILLERS-Evansville, Ind.

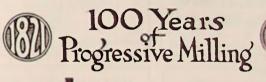
Lyon & Greenleaf Co.

MILLERS OF High Grade Soft Winter Wheat Flour

LIGONIER, IND. WAUSEON, OHIO NORFOLK, VA. Evans Milling Co.

Manufacture Kiln Dried WHITE CORN PRODUCTS

Capacity, 5,000 Bushels





New 2,000-Bbl Daylight Mill-One of Three Plants

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ACME-EVANS COMPANY, Indianapolis

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I. S. JOSEPH CO., INC. MINNEAPOLIS, MINN.

Quality Spring Wheat FLOUR— LUCKY-LOAF—Fancy Patent VOLUME—Standard Patent FORCEFUL—Fancy Clear Correspondence Solicited

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Always in the market. All grades of

FLOUR - Wheat - Rye - Corn JOHN W. ECKHART & CO.

Established for 40 Years
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ANALYSES FLOUR-CEREAL-GRAIN Dependable, Prompt Service Siebel Institute of Technology

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AREESE CO. Specializing in

RYE FLOUR

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We Buy Wheat Bran and Middlings which are used in the manufacture of LARRO, the ready ration for dairy cows, and are always glad to have your offers.

THE LARROWE MILLING COMPANY DETROIT, MICHIGAN



Bept. 28-30. Indiana Bakers' Association fall meeting at Tavorn Hotol, Lake Wassev. C. P. ethlers, secretary, 2238 East Month of the Control of Canada, annual meeting at Moetreal; II. E. Trent, secretary, room 21, 56 Bloor Streat West, Toronto.

Oct. 12-14.—Kentucky Master Bakers Association, annual meeting at Brown Hotol, Louisville; Charles Moyers, secretary, 1237 Parkway, Covington, Ky. 223 Parkway, Covington, Ky. 223 Parkway, Covington, Ky. 1001. Association and Feed Dealers' National Association of Control of Cot. 14-15.—New York Bakers' Association, annual meeting at Rochester; J L. Wellington, Secretary, 1129 Mercantile Building, Rochoster.

TRADEMARKS

The following list of trade-marks, published by the Official Grazette of the United States Patent Office, prior to registration, is reported to The Northwestorn Miller and American Baker by Masson, Ponwick & Lawrence, patent and trade-mark lawyers Washington, D. C. Bakers who feel that they would be damaged by the registratics of any of these marks are permitted by law they would be damaged by the registratics of the state of the

JAY and picture of two birds; Jennie A. Johnson, Spokane, Wash; flour compound, particularly for making paneakes, waffet muffins and the like. Use claimed since Jan. 12, 1931.

PRUITTIES, C. M. Pitt & Sons Co. Halling, Md. cakes. Use claimed since Mg. Co. Mg. Co

, 1931.
Clific-KEEN; "FEEDING THE WORLD":
M. Plerce, Oklahoma City, Okla, for
andwiches Use claimed since June 22.

MRS. SMITH'S and design: Mrs. Suith's Delicious Home-Mado Pies, Inc., Philadelplac, for pies. Uso claimed since August, 192.
SCRIBONA: Scribbans & Co. Ltd., Smethwick, England; cakes and biscuits Uso claimed since March 13, 1931.
FLUFP-O: American Bakeries Co., Ailanta, Ga; bread. Uso claimed since June 1, 1931.

The Fine Art of Making Change

(Continued from page \$27.)
ers have failed to recognize the fact that
the better the supply of "change" in the
register at the start of the day the more
rapid and accurate will be the cash
transactions of that day. When a clerk
has to scrape for change he is apt to get
his mind off the big point and make mistales.

It is not hard to estimate the denominations needed for a day's business and to have the right amount of money on hand in the right units. This practice will go a long way toward accuracy and speed in the making of change for customers.

One of the chief causes of error in One of the chief causes of error in change making lies in the frequent care-lessness of clerks in putting bills into the wrong drawers. A five-spot will stuffed into the ten-spot section and when stuffed into the ten-spot section and when the next fellow comes along and wand a ten-spot, he merely grabs at the spot heap and picks off the carele placed five. In this way, one clerk can bring about a series of verors in change making which will prove very costly to the business. Whatever method may be adorated of handling cash, it is certain that all clocks

costly to the business. Whatever method may be adopted of handling cash, it is certain that all clerks should be compelled to follow the same in the cash box, the errors of one will be the direct cause of the errors of the direct cause of the errors of t

F. W. WISE & CO. Millers' Agents Flour and Feed

MAR Grain & Flour Exchange BOSTON

ESTABLISHED 1801 DAWSON-DAVIS COMPANY Special Attention to Baking Industry All Types of Bakery Flours BOSTON

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Specializing in Family Trade
Eastern States
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WM. A. FUERST FLOUR BROKER JUST STARTING 21 Years' Experience selling Flour in Obio and Kontucky. OPEN FOR ACCOUNTS

THE A. H. RANDALL MILL CO. Millers of Michigan Quality SOFT WHEAT FLOUR

2805 Stratford Ave.

Cincinnati, Ohio

New up-to-date mill just completed.

Onen for a few additional connections. TEKONSHA, MICH.

Quality Michigan Flour

Plain and Self-Rising

Made exclusively from Michigan wheat—we grind nothing else. Open for Connections CHELSEA MILLING CO. - CHELSEA, MICH.

Michigan Soft Wheat Flour

SUNRAYS

(REG. U. S. PAT. OF.)
Straight and Self-Rising
UNION CITY MILLING CO.
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Spring and Hard Wheat Flours MARK TWAIN COLUMBIAN PEP

NEWSOME MILLFEED COMPANY Kansas City, Missouri

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Flour—Semolina—Millfeeds

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TRIPLE XXX FINE GROUND ALFALFA MEAL

Ideal for Poultry Mashes THE DENVER ALFALFA MILLING & PRODUCTS CO.
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St. Louis, Mo.

Store Flour in Transit

Avail Yoursolf of the Thru Freight Rato Insure Prompt Deliveries All Buildings Strictly Modern, Clean & Dry Capacity over 1,200 Carloads CROOKS TERMINAL WAREHOUSES

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Manufacturers of
White and Yellow Corn Products
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Ask for Samples and Prices

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Manufacturers of Pure High-Grade Winter Wheat Flour

Brands: Lebanon Bell, LEBANON, ILL,
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Capacity: 1,000 bbls National Federation

Hezel Milling Company

EAST ST. LOUIS, ILL. Established 1861

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Manufacturers of High Grade Soft Winter Wheat Flour

GILSTER MILLING CO.

CHESTER, ILLINOIS

Manufacturers of Gilster's Best and Featherlite Plain and Self-Rising Flour

THE largest and most modern flour mill and elevators on the Pacific Coast with storage capacity at our mills of 2,500,000 bushels, together with more than one bundred elevators because in the choicest milling wheat sections of Mostens, Washington, insure the uniformity of all Fisher's Flours.

FISHER FLOURING MILLS CO., SEATTLE, U.S.A.

Domestic and Export Millers CLIFF H. MORRIS, EASTERN REPRESENTATIVE, 431 Produce Ex., New York City



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Bluestem Patents - Montana Hard Wheat Patents Pastry Flour - Cake Flour

Cable Address: "Wasco," All Codes Daily Capacity, 2,000 Barrels

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Soft White Winter Wheat Flour a Specialty

Also Choice Blue-stem and Hard Spring Patents

Cable Address: "Preston All Codes Capacity, 2,000 Barrels

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All Codes

We have Mills in the Wheatfields and Mills on Tidewater

SPOKANE FLOUR MILLS, SPOKANE, WASHINGTON Soft Winter and Blue-Stem Wheat Flours

Western Milling Company

Specializing High Grade
Bakers' and Pastry Flours

Pendleton, Oregon Salt Lake City, Utah

Riverside Code The Latter

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The Peacock Mill Co. Millers of Hard Spring, Bluestem and Pacific FREEWATER, OREGON

Mances Johnson, President J. J. Padden, Vice President S. M. Siventson, Secretary

Just the Cream of Hard Wheat

ALSO SEMOLINAS

Crookston Milling Company CROOKSTON, MINN.

Red River Milling Company

Highest Quality
Hard
Spring Wheat
Flour

Montana and North Dakota Wheat used exclusively

Daily Capacity 1,000 Barrels

FERGUS FALLS, MINNESOTA

Highest Quality Hard Spring Wheat Flour



Grain Cleaners

Richmond Mfg. Co. LOCKPORT, N.

J. K. Howie, Representative, 20 Flour Exchange, Minneapolis, Minn.



THE REVSTONE WAREHOUSE CO. Buffalo, N. Y.

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The Chatfield & Woods Sack Co.

Wedding Invitations
Announcements Finest Hand Cut Engraved Plates

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THE CREAM OF WHEAT CORPORATION

Minneapolis, Minnesota

Feed, Flour, Wheat

ANALYSES

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C-APRONS · Clorks, Bakers,

23 Years' Experience Serving Millers
THE MINNESOTA SPECIALTY CO.
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Samples, prices and Minneapolis, Minnedistribution plans gladity sent on request.

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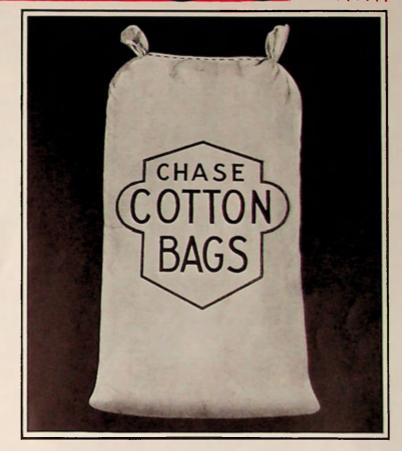
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