

Mills Archive

Finding Aid - Heage Windmill Society photographic archive (GIFF-HWS)

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Heage Windmill Society photographic archive

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Summary information

Repository:	Mills Archive
Title:	Heage Windmill Society photographic archive
Reference code:	GIFF-HWS
Date:	1791 (digital copy) - 2007 (date of creation)
Physical description:	104 digital images
Dates of creation, revision and deletion:	

Scope and content

Photographs relating to the history of Heage Windmill, mainly relating to the restoration carried out in 2000-2002.

Notes

Title notes

Restrictions on access

This collection may be consulted free of charge online.

Other notes

- **Publication status:** Published

Access points

- Hosted archives from our Heritage Partners (subject)

Series descriptions

Series GIFF-HWS-01: Early records and initial restoration

Creator: Gifford, Alan

Date: 1791-1995 (digital copies) (date of creation)

Scope and content:

Photographs of the mill prior to its first restoration in 1972, and several images from after this date, up to 1995.

Physical description: 21 digital images

Publication status:

Published

File / item list

Reference code	Title	Dates	Physical description
GIFF-HWS-01-01	<p>Item - Tower mill, Heage</p> <p><i>Creator:</i> Unknown photographer</p> <p><i>Scope and content:</i> This early photograph shows the mill on the hill in the top left hand corner, and someone passing in a carriage. 'Nether Heage (Shore's mills)' is written below the image. The steam and water mills owned by the Shores are on the right.</p>	c 1870 (digital copy)	1 digital image
GIFF-HWS-01-02	<p>Item - Tower mill, Heage, tail winded</p> <p><i>Creator:</i> Unknown photographer</p> <p><i>Scope and content:</i> The mill after it was tail winded (i.e. the wind blew from behind the sails) and the cap and four sails were blown off in a violent storm. Shows a man, presumably the miller, standing on the wreckage of the sails in front of the mill and the brake wheel protruding from the debris of the cap on top of the tower.</p>	February 1894 (digital copy)	1 digital image
GIFF-HWS-01-03	<p>Item - Photograph of painting of Tower mill, Heage.</p> <p><i>Creator:</i> Shore, T</p> <p><i>Scope and content:</i> This painting was painted by T Shore, who was the last miller before its closure in 1919. He was a noted local painter.</p>	Before 1919 (digital copy)	1 digital image

GIFF-HWS-01-04	Item - View of Tower mill, Heage, and miller's cottage <i>Creator:</i> Unknown photographer <i>Scope and content:</i> Alan Gifford comments: "Shows the disused mill with millers cottage and garden in foreground."	c 1940	1 digital image
GIFF-HWS-01-05	Item - Derelict tower mill, Heage, with trees surrounding it <i>Creator:</i> Copeland, Fred <i>Scope and content:</i> Alan Gifford comments: "Mill is surrounded by trees and undergrowth."	1950	1 digital image
GIFF-HWS-01-06	Item - Close up of tower mill, Heage, in derelict state <i>Creator:</i> Copeland, Fred <i>Scope and content:</i> Alan Gifford comments: "Mill has vestiges of shutter frames only and no fan tail. Cap appears fairly sound."	1950	1 digital image
GIFF-HWS-01-07	Item - Derelict tower mill, Heage, with cap ribs open to elements <i>Creator:</i> Unknown photographer <i>Scope and content:</i> Alan Gifford comments: "This shows the mill in its worst known condition. The cap ribs are all visible and only a few shutter bars remain. This was the state when Derbyshire CC bought it in about 1967. They had placed a preservation on the mill in 1966"	1967	1 digital image
GIFF-HWS-01-08	Item - Start of initial restoration of tower mill, Heage by DCC <i>Creator:</i> Unknown photographer <i>Scope and content:</i> Alan Gifford comments: "This marks the start of restoration. The cap has been fitted with horizontal tiles. These cannot have been successful and were soon removed and replaced with aluminium sheeting. Work has not started on the sails or fantail."	1968	1 digital image
GIFF-HWS-01-09	Item - Tower mill, Heage after restoration by DCC <i>Creator:</i> Unknown photographer <i>Scope and content:</i> Alan Gifford comments: "After what was the planned DCC restoration in 1972. The sails and fantail are in place but the old kiln in the foreground is in a poor state. The mill was not in working order and the cap did not turn. There was minimal machinery in place."	1972	1 digital image
GIFF-HWS-01-10	Item - Tower mill, Heage after restoration by DCC	1989	1 digital image

	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "Colour image of completed mill. No shutters in sails or blades in fantail."</p>		
GIFF-HWS-01-12	<p>Item - Advert in Derby Mercury to build Heage Tower Mill</p> <p><i>Scope and content:</i> Alan Gifford comments: "This is the earliest mention of a Tower mill at Heage contained in an advert in the Derby Mercury 16th June 1791 . Note that it refers to 'Materials laid down on site' - stone for tower was in adjacent quarry."</p>	1791 (digital copy)	1 digital image
GIFF-HWS-01-13	<p>Item - Wall plaque of George Chell Millwright on Heage Tower Mill</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "George Chell was a millwright from nearby Crich who rebuilt mill after tail winding in 1894. The stone plaque is still visible high in the wall of his house in Crich."</p>	1985	1 digital image
GIFF-HWS-01-14	<p>Item - Heage Tower Mill viewed across corn field</p> <p><i>Creator:</i> Unknown photographer</p> <p><i>Scope and content:</i> Alan Gifford comments: "Hand coloured photograph showing view of the mill across a field of corn. "</p>	c 1930 (digital copy)	1 digital image
GIFF-HWS-01-15	<p>Item - Old stocks from Heage Tower Mill</p> <p><i>Creator:</i> Copeland, Fred</p>	No date	1 digital image
GIFF-HWS-01-16	<p>Item - Heage Tower Mill with new Aluminium cap</p> <p><i>Creator:</i> Unknown photographer</p> <p><i>Scope and content:</i> Alan Gifford comments: "The tiled covering shown in GIFF-HWS-01-08 must have been unsatisfactory since it was replaced by Aluminium sheeting. No records have been found giving any reasons for this change but tiled form probably leaked when it rained."</p>	1970	1 digital image
GIFF-HWS-01-17	<p>Item - Brake wheel in Heage Tower Mill</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The wooden brake wheel probably dates from the 1894 repair after tail winding. In 1991 it had no cogs or teeth and was made 'secure' by baulks of timber wedged though the wheel."</p>	1991	1 digital image
GIFF-HWS-01-18	<p>Item - Brake wheel in Heage Tower Mill after storm damage</p> <p><i>Creator:</i></p>	1993	1 digital image

	<p>Baddeley, David</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The wedges shown in GIFF-HWS-01-17 broke loose in a storm in 1993 and smashed the wooden brake wheel in a number of places. It was rebuilt shortly afterwards by DCC."</p>		
GIFF-HWS-01-19	<p>Item - Overgrown entrance to undercroft, Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The entrance to the mill undercroft was completely overgrown and filled with debris in 1992."</p>	1992	1 digital image
GIFF-HWS-01-20	<p>Item - Lightning damage to sack frame, Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The mill was struck by lightning in 1995 and severely damaged one sail and this sack support frame."</p>	1995	1 digital image
GIFF-HWS-01-21	<p>Item - Wet rot on bin floor at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "There were many problems with water ingress and wet rot was apparent on the bin floor."</p>	1995	1 digital image
GIFF-HWS-01-22	<p>Item - Lightning damage to sail at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "One sail was badly damaged in the June 1995 lightning strike."</p>	1995	1 digital image

Series GIFF-HWS-02: Conservation work and fund raising

Creator: Gifford, Alan

Date: 1989-1997 (date of creation)

Scope and content:

Photographs of conservation work by volunteers and fund raising efforts.

Physical description: 15 digital images

Publication status:

Published

File / item list			
Reference code	Title	Dates	Physical description
GIFF-HWS-02-01	Item - Heage Tower Mill opened to public <i>Creator:</i> Clarke, Robin <i>Scope and content:</i> Alan Gifford comments: "The windmill, owned by Derbys CC, had been rarely opened to the Pubic. When Midland Mills Group acted as guides for the Council in 1989 up to 500 people visited the mil in one day. This image shows people on the old access way to the mill."	1989	1 digital image
GIFF-HWS-02-02	Item - Heage Tower Mill opened to public <i>Creator:</i> Clarke, Robin <i>Scope and content:</i> Alan Gifford comments: "People queuing to get into mill on Public open day, May 1989"	May-89	1 digital image
GIFF-HWS-02-03	Item - Heage Tower Mill - lottery submission <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "A full report was prepared seeking funds to restore the mill, which covered restoration and sequent operation. Grants from various bodies reached over	1995	1 digital image
GIFF-HWS-02-04	Item - Heage Tower Mill - public meeting to seek support <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "A public meeting was held in Heage in spring 1997, attended by about 50 people, seeking support for the repair programme."	1997	1 digital image
GIFF-HWS-02-05	Item - Site clearance at Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "The site was overgrown and an early attempt to clean it up was organised by Midland Mills Group, together with local people."	1995	1 digital image
GIFF-HWS-02-06	Item - Site clearance at Heage Tower Mill - kiln area <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "The old kiln building had collapsed and was cleared by Barrie Job, helped by young son David, on MMG work party."	1994	1 digital image
GIFF-HWS-02-07	Item - Visitors inside Heage Tower Mill <i>Creator:</i>	1995	1 digital image

	<p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The mill was packed with visitors on occasional open days. This view shows crowd waiting to get to upper floor."</p>		
GIFF-HWS-02-08	<p>Item - Painting quant and eye plate of stone at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "MMG (Midland Mills Group) organised work parties to give the mill a more 'cared for' look. The iron work on the burr stone and quant are being painted by Tim Booth."</p>	1993	1 digital image
GIFF-HWS-02-09	<p>Item - Painting wood preservative on vat at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "It was decided to retain the old wooden vat and it was treated with a coat of wood preservative."</p>	1993	1 digital image
GIFF-HWS-02-10	<p>Item - Rust removal on the wallower at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The wallower was severely rusted and a powered wire brush was used to clean it up."</p>	1993	1 digital image
GIFF-HWS-02-11	<p>Item - Painting tenter gear at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "John Boucher painting the tenter gear during MMG work party."</p>	1993	1 digital image
GIFF-HWS-02-12	<p>Item - Appalling condition of live curb at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The cap could not move because the roller carriage was broken and encased in pigeon droppings."</p>	1993	1 digital image
GIFF-HWS-02-13	<p>Item - Cleaning debris on dust floor at Heage Tower Mill</p> <p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The mill was filthy and considerable rubbish was cleared throughout the mill."</p>	1993	1 digital image

GIFF-HWS-02-14	<p>Item - The basement or undercroft of Heage Tower Mill being cleared of debris</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "There were tons of debris and rubbish in the undercroft and the floor was very uneven."</p>	1995	1 digital image
GIFF-HWS-02-15	<p>Item - Digging out entrance to undercroft of Heage Tower Mill</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The entrance to the undercroft was completely blocked - see GIFF-HWS-01-19 . The excavation eventually revealed a sound stone slab paved area."</p>	1995	1 digital image

Series GIFF-HWS-03: Restoration: civil and structural work

Creator: Gifford, Alan

Date: 2000-2002 (date of creation)

Scope and content:

Photographs of civil work after grants and voluntary input enabled the restoration to commence. This included building a new access road, providing essential services, building a visitor centre and structural work on the mill tower itself.

Physical description: 13 digital images

Publication status:

Published

File / item list

Reference code	Title	Dates	Physical description
GIFF-HWS-03-01	<p>Item - Site plan of Heage Tower mill and new approach road</p> <p><i>Creator:</i> Boucher, John, millwrighting consultant</p> <p><i>Scope and content:</i> Alan Gifford comments: "This image shows the old approach lane past the Millers cottage and the route of the new road , off Chesterfield Road. The new road was essential to provide access for construction traffic and for visitors."</p>	2001	1 digital file
GIFF-HWS-03-02	<p>Item - Cutting new access road to Heage Tower Mill</p> <p><i>Creator:</i> Boucher, John, millwrighting consultant</p> <p><i>Scope and content:</i></p>	2001	1 digital image

	Alan Gifford comments: "The new road cut across virgin land"		
GIFF-HWS-03-03	Item - Another part of the new road to Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i> Boucher, John, millwrighting consultant</p> <p><i>Scope and content:</i> Alan Gifford comments: "Electric, water and phone connections were brought in alongside the road."</p>		
GIFF-HWS-03-04	Item - The poor condition of parts of the stonework on Heage Tower Mill	2000	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The soft ironstone of the tower was badly eroded in places and needed extensive repairs."</p>		
GIFF-HWS-03-05	Item - Excavating new stone on site at Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "When digging to fit a cesspool tank we hit the same stone as the mill was originally built from and were able to extract sufficient material to repair the tower!"</p>		
GIFF-HWS-03-06	Item - Quarried stone found on site at Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "Extracted stone piled up in front of a cap less tower, shrouded in scaffold"</p>		
GIFF-HWS-03-07	Item - Mason cutting stonework at Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "Stones had to be cut to size by the masons to suit various locations."</p>		
GIFF-HWS-03-08	Item - Replacement stonework in Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "New stones inserted into the stone tower. At this stage they still need to be pointed with lime mortar."</p>		
GIFF-HWS-03-09	Item - Door framing restored at Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i></p>		

	<p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The stone door frame was badly damaged so new pieces were cut and fitted in place. A decade later the stones have begun to blend in with the older stones."</p>		
GIFF-HWS-03-10	Item - The refurbished tower mill at Heage awaits its cap	2001	1 digital image
	<p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "All stone work repairs having been completed the scaffold was removed and the tower awaits the cap."</p>		
GIFF-HWS-03-11	Item - Damaged plaster is replaced at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "Much of the Lime plaster was damaged and repairs were carried out by specialists."</p>		
GIFF-HWS-03-12	Item - Three courses of stone rebuilt at Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i></p> <p>Gifford, Alan</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "Three courses of stonework below the curb were taken down and fully rebuilt. It was feared that they were too loose to withstand milling operations"</p>		
GIFF-HWS-03-13	Item - The old kiln rebuilt at Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i></p> <p>Hunter, Dave</p> <p><i>Scope and content:</i></p> <p>Alan Gifford comments: "The foot print of the old kiln was used as the base for a new visitor centre. Much of the stone work was from the on site quarry."</p>		

Series GIFF-HWS-04: Restoration: millwrighting

Creator: Gifford, Alan

Date: 1998-2002 (date of creation)

Scope and content:

Photographs of millwrighting during the restoration process. Dorothea were awarded the contract to repair and replace defective components and machinery.

Physical description: 33 digital images

Publication status:

Published			
File / item list			
Reference code	Title	Dates	Physical description
GIFF-HWS-04-01	Item - Contractors/sponsors display Board at Heage Tower Mill. <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "At the entrance to the site there was a large display board giving details of major sponsors and contractors."	2000	1 digital image
GIFF-HWS-04-02	Item - Cap is removed from Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "On a stormy day in July 2001 the sails and cap were removed by a large mobile crane."	2001	1 digital image
GIFF-HWS-04-03	Item - View down onto cap over curb at Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "An unusual view over the debris filled curb track down onto the old cap."	2001	1 digital image
GIFF-HWS-04-04	Item - View onto cap from dust floor at Heage Tower Mill <i>Creator:</i> Hunter, Dave <i>Scope and content:</i> Alan Gifford comments: "View from dust floor onto old cap and fantail."	2001	1 digital image
GIFF-HWS-04-05	Item - The fan, the cap and the tower on the ground at Heage Tower Mill. <i>Creator:</i> Hunter, Dave <i>Scope and content:</i> Alan Gifford comments: "Looking over the cap to the tower."	2001	1 digital image
GIFF-HWS-04-06	Item - Sails stacked on ground for refurbishing at Heage Tower Mill <i>Creator:</i> Hunter, Dave <i>Scope and content:</i> Alan Gifford comments: "The sails, on the ground, waiting to be re-furbished and fitted with shutters."	2001	1 digital image

GIFF-HWS-04-07	<p>Item - General view of work site at Heage Tower Mill</p> <p>2001</p> <p>1 digital image</p> <p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "A general view of the work site . Sails in foreground, then the cap and the scaffold tower. Note also the various work cabins."</p>
GIFF-HWS-04-08	<p>Item - A model of the construction of the cap of the tower mill at Heage</p> <p>2002</p> <p>1 digital image</p> <p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "This mock up shows the construction used in the refurbishment of the cap. There is one layer of horizontal larch, a layer of water proof membrane, followed heavy duty painted canvas. It is used to demonstrate the way the cap is made to mill visitors."</p>
GIFF-HWS-04-09	<p>Item - Lead flashing onto horizontal larch boards where a fan tail support fits, tower mill, Heage</p> <p>2001</p> <p>1 digital image</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "Where penetrations went though into the cap lead flashings were used the reduce risk of water ingress."</p>
GIFF-HWS-04-10	<p>Item - Vertical larch boards being fitted to the cap at Heage Tower Mill</p> <p>2001</p> <p>1 digital image</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "Vertical larch boards being fitted to the cap. The water proof membrane and the iron cross are clearly visible."</p>
GIFF-HWS-04-11	<p>Item - Rotten timbers found under curb at Heage Tower Mill</p> <p>2001</p> <p>1 digital image</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "When the iron curb track was removed the sub timbers were completely rotten and had to be replaced."</p>
GIFF-HWS-04-12	<p>Item - Curb track removed revealing rotten sub curb timbers at Heage Tower Windmill</p> <p>2001</p> <p>1 digital image</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The internal rack and curb have been removed revealing that sub curb timbers were rotten (see GIFF-HWS-04-11)"</p>

GIFF-HWS-04-13	Item - The refurbished curb at Heage Tower mill shortly before cap replaced	2001	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "New oak sub curb timbers were fitted before the refurbished curb and internal rack were refitted. New rollers and link bars were installed. A temporary cap was then fitted to protect the interior."</p>		
GIFF-HWS-04-14	Item - Reinforcing the great spur wheel at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The great spur wheel is all wooden and very old. It was originally fitted with a double row of wooden cogs to drive the stone nuts. These had been removed long ago and replaced with bolt on iron teeth segments. It was decided to retain the gear and to replace the segments but in order to be able to mill flour using it reinforcing plates of custom made SG iron were inserted between the arms."</p>		
GIFF-HWS-04-15	Item - Great spur wheel at Heage Tower Mill with cast iron bolt on teeth	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "When the Great spur wheel's new teeth were matched to the old stone nut it was realised the latter needed re-cogging!"</p>		
GIFF-HWS-04-16	Item - The refurbished brake wheel, wind shaft and iron cross at Heage Tower Mill	2001	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "A temporary site work shop was set up to enable the , cap, wooden brake wheel, iron wind shaft and striker gear to be refurbished. New cast iron teeth segments were fitted to the brake wheel."</p>		
GIFF-HWS-04-17	Item - The wallower being jacked up to engage with the brake wheel at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "The wallower had dropped about 4-6" and was jacked up to align with the brake wheel."</p>		
GIFF-HWS-04-18	Item - The wallower and brake wheel meshed at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i></p>		

	Alan Gifford comments: "Finally the wallower and the brake wheel could be meshed together."		
GIFF-HWS-04-19	Item - The restored winding gears set up at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "Unusually there are twin drives from the fantail, plus a hand winding facility if so needed. Also visible is one of the truck wheels. All of this was taken off site and refurbished as needed."</p>		
GIFF-HWS-04-20	Item - The fan tail and gearing rebuilt on the ground at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "The fan tail need a complete re-build and the associated drive gears were repaired whilst the cap was on the ground."</p>		
GIFF-HWS-04-21	Item - The cap waiting to be lifted onto Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Unknown photographer</p> <p><i>Scope and content:</i> Alan Gifford comments: "All possible work was carried out on the cap before it was lifted back onto the tower."</p>		
GIFF-HWS-04-22	Item - Cap being lifted at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "The cap, which with wind shaft etc weighted 13.5 tons was lifted onto the tower, by a mobile crane."</p>		
GIFF-HWS-04-23	Item - The cap being lowered into position at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The cap is being lowered into position on the curb track. There was less than 4" clearance on the diameter of the tower and a great many steadying hands were needed."</p>		
GIFF-HWS-04-24	Item - First refurbished sail ready for Heage Windmill	2002	1 digital image
	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "The first sail to be fitted is lifted, note all shutters were fitted but were closed - this gave problems in the breeze."</p>		

GIFF-HWS-04-25	Item - The first sail is lifted in place at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Unknown photographer</p> <p><i>Scope and content:</i> Alan Gifford comments: "The first sail is lifted to be bolted to the iron cross."</p>		
GIFF-HWS-04-26	Item - The sixth sail goes on at Heage Windmill	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The sixth sails is lowered into position about five hours later."</p>		
GIFF-HWS-04-27	Item - The spider is connected at Heage Windmill	2002	1 digital image
	<p><i>Creator:</i> Hunter, Dave</p> <p><i>Scope and content:</i> Alan Gifford comments: "When all sails were in place the spider mechanism could be connected."</p>		
GIFF-HWS-04-28	Item - Refurbished brake wheel at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The original wooden brake wheel was strengthened and fitted with cast iron sectional teeth and new brake band, operated by the old lever mechanism. "</p>		
GIFF-HWS-04-29	Item - The old vat and furniture retained at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The old vat and stone furniture were retained but fitted with a concealed stainless steel lining to satisfy Health and Safety demands."</p>		
GIFF-HWS-04-30	Item - A new governor, made by volunteers, fitted in place at Heage Tower Mill	2002	1 digital image
	<p><i>Creator:</i> Unknown photographer</p> <p><i>Scope and content:</i> Alan Gifford comments: "No governor was found in the old mill so a new one was designed and made by volunteers, but fitted by the millwrights, on the existing iron tentering arms."</p>		
GIFF-HWS-04-31	Item - A sectional drawing of Heage Tower Mill before any restoration started	1998	1 digital image
	<p><i>Creator:</i> Boucher, John, millwrighting consultant</p>		

	<i>Scope and content:</i> Alan Gifford comments: "A cross section drawing of the main components of the windmill before any work started on her."		
GIFF-HWS-04-32	Item - The cast iron reinforcement of the brake wheel at Heage Tower Mill	2001	1 digital image
	<i>Creator:</i> Gifford, Alan		
	<i>Scope and content:</i> Alan Gifford comments: "The old wooden double cogged great spur was reinforced by carefully fitted iron castings"		
GIFF-HWS-04-33	Item - The refurbished pinion and hand cranking mechanism at Heage Tower Mill	2002	1 digital image
	<i>Creator:</i> Gifford, Alan		
	<i>Scope and content:</i> Alan Gifford comments: "The fantail at Heage operates a pair of twin pinions on the rack inside the top of the tower. A hand cranking mechanism is incorporated, to be used if the wind direction has changed significantly since last in use. This entire system was completely overhauled by the contractors."		

Series GIFF-HWS-05: Restoration: voluntary work

Creator: Gifford, Alan

Date: 2000-2007 (date of creation)

Scope and content:

Photographs of voluntary work during the restoration process. A considerable amount of work was carried out including providing mechanical components, building dry stone walls and generally improving the site.

Physical description: 16 digital images

Publication status:

Published

File / item list

Reference code	Title	Dates	Physical description
GIFF-HWS-05-01	Item - A team of volunteers at Heage Tower Mill	2001	1 digital image
	<i>Creator:</i> Unknown photographer		
	<i>Scope and content:</i> Alan Gifford comments: "Much work was done by volunteers both local and from MMG. Through the winter of 2001 through to opening in June 2002, and beyond they undertook numerous tasks ranging from site clearance, cleaning and painting to dry stone walling, apart from producing interpretation displays and various components for the mill."L to R. Front - Alan Gifford, Pat Hunter, Helen Bellofatto, Margaret Kent, Brian Naylor. Behind - Ian Gifford, Ian Swindlehurst, Dave Hunter, Ian Hunter.		

GIFF-HWS-05-02	Item - Making cap rollers for Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "Derek Walker made all the new cap rollers in local workshop which was made available to Heage Windmill Society."	2000	1 digital image
GIFF-HWS-05-03	Item - Welding cap rollers for Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "The replacement 24 cap rollers were fabricated and machined by Derek Walker."	2000	1 digital image
GIFF-HWS-05-04	Item - One of the 24 carriage and roller assemblies made for Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "The old carriage and rollers were all broken and 24 new units were made as replacements."	2001	1 digital image
GIFF-HWS-05-05	Item - 126 shutter frames needed to be made for Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "The frames for 126 shutters were made from wood and stainless steel wire by Derek Walker."	No date	1 digital image
GIFF-HWS-05-06	Item - Sewing canvas onto shutters for Heage Tower Mill <i>Creator:</i> Unknown photographer <i>Scope and content:</i> Alan Gifford comments: "Heavy duty canvas was hand sewn onto the shutter frames by volunteers, aided by helpers from the local WI. Many took them home to carry out the work."	2001	1 digital image
GIFF-HWS-05-07	Item - Stone walling at Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "Heage windmill is surrounded by dry stone walling, much of which was in a poor condition. Volunteers learnt how to do this traditional craft to cut costs. This image gives some idea of the scale of the operation."	2002	1 digital image
GIFF-HWS-05-08	Item - Stone walling at Heage Tower Mill <i>Creator:</i>	2002	1 digital image

	Unknown photographer <i>Scope and content:</i> Alan Gifford comments: "One huge wall below the mill collapsed during excavation work and had to be rebuilt."		
GIFF-HWS-05-09	Item - Stone walling at Heage Tower Mill <i>Creator:</i> Hunter, Dave <i>Scope and content:</i> Alan Gifford comments: "Even the ladies did their share of work in this arduous task of stone walling."	2002	1 digital image
GIFF-HWS-05-10	Item - Laying path at Heage Tower Mill <i>Creator:</i> Hunter, Dave <i>Scope and content:</i> Alan Gifford comments: "New path had to be produced to ensure safe passage to the mill for visitors."	2002	1 digital image
GIFF-HWS-05-11	Item - Laying new floor in mill basement <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "There was only a rough earth/stone floor in mill basement and this had to be levelled before a set of stone slabs could be laid in what was to become the Interpretation /reception area."	2002	1 digital image
GIFF-HWS-05-12	Item - A refurbished sack hoist installed at Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "There was no sack hoist in the mill so a surplus one from another mill was refurbished and installed by volunteers."	2002	1 digital image
GIFF-HWS-05-13	Item - The completed basement floor at Heage Tower Mill <i>Creator:</i> Hunter, Dave <i>Scope and content:</i> Alan Gifford comments: "The newly laid stone slab floor in the mill basement was sponsored at £10 per square foot and was laid by volunteers."	2002	1 digital image
GIFF-HWS-05-14	Item - A new governor, made by volunteers, in place at Heage Tower Mill <i>Creator:</i> Gifford, Alan <i>Scope and content:</i> Alan Gifford comments: "A governor was designed, manufactured and fitted by volunteers."	2003	1 digital image
GIFF-HWS-05-15	Item - The shop and reception centre at Heage Tower Mill, staffed by volunteers	2003	1 digital image

	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The shop was manned by volunteers who choose to wear costume appropriate to when the mill last operated in the 1900's."</p>		
GIFF-HWS-05-16	Item - The shop and reception centre at Heage Tower Mill as fitted out by volunteers	2007	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The entire shop fitting was done by volunteers."</p>		

Series GIFF-HWS-06: Mill opening 27th May 2002

Creator: Gifford, Alan

Date: 27 May 2002 (date of creation)

Scope and content:

Photographs of the opening day after the restoration was complete.

Physical description: 6 digital images

Publication status:

Published

File / item list

Reference code	Title	Dates	Physical description
GIFF-HWS-06-01	Item - Heage Tower windmill on opening day	27 May 2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The windmill was dressed with bunting for her opening on May 27th 2002."</p>		
GIFF-HWS-06-02	Item - A large crowd of invited guests gathering for the opening of Heage Tower Mill.	27 May 2002	1 digital image
	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "A large crowd of invited guests gathered in bright sunshine for the opening of Heage Tower mill."</p>		
GIFF-HWS-06-03	Item - Kathy Rochford giving a speech to open Heage Tower Mill	27 May 2002	1 digital image

	<p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "A local TV personality, Kathy Rochford, delivered a speech to open the windmill."</p>		
GIFF-HWS-06-04	<p>Item - Belper Town Cryer delivering a proclamation at opening of Heage Tower Mill</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The town cryer from Belper gave an address wishing mill every success, with Margaret Kent (left) and Mayor of Amber Valley."</p>	27 May 2002	1 digital image
GIFF-HWS-06-05	<p>Item - Kathy Rochford cuts tape to formally open Heage Tower Mill</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "A local TV Personality, Kathy Rochford, cutting a ribbon to open the windmill. She then had a guided tour of the mill."</p>	27 May 2002	1 digital image
GIFF-HWS-06-06	<p>Item - Belper Town Cryer poses by sail of Heage Tower Mill</p> <p><i>Creator:</i> Gifford, Alan</p> <p><i>Scope and content:</i> Alan Gifford comments: "The Belper town cryer poses by a sail at the opening day of Heage Windmill 27th May 2002."</p>	27 May 2002	1 digital image