Mill Drawings

by: W. Foreman

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MILL DRAWINGS

Measured Drawings and Details
by
W. FOREMAN

SPAB
BROADWELL MILL, OXON.

SCALE 1/2" TO ONE FOOT

This mill retains complete midwork - usual 2 pair stones arrangement.

W. FORRENN

MARCH 1973
OVERY MILL . DORCHESTER . OXON.

Scale 2" to one foot. Original wooden Millwork.

This mill had two cylinidal wooden wheels, one removed, both about 15" in diameter, 4" in thickness, 216" long.

One side of mill had an iron wheel shaft, 8" square, 4" spoked iron pit wheel with wooden teeth, the rim & spokes cast separately & bolted together. There is an iron revolver on a wooden centre shaft, which also carries a 6 spoked wooden spur wheel. Lead core, lead pack stones, in tune with all gear complete. A top baffle causes wheel driving 1 & brake, 1 cord wheel, belt & brake, all for a bottling machine, still in position.

The centre of the pit wheel is cast to fit a Framework, octagonal wooden shafts.

WATER WHEEL. MORRELL'S BREWERY. OXFORD

SCALE: HALF INCH TO ONE FOOT.

CAST IRON FRAME WITH WOODEN SHAFTS AND PULLEYS.

DELTA WATER WHEEL

1/24 INCHES

GATE SLIDERS Made in Steel

Lower water level

Upper water level

12 HOURS

GENERAL ARRANGEMENT

SITE PLAN

W. FOREMAN, 1919.
THE FISH HOUSE, N.P. DUCKLINGTOWN, OXON

SCALE. HALF INCH TO ONE FOOT.

BUILDING ERECTED 1510. WHEEL PROBABLY BUILT THEN.

ORDS.REF. SP. 373 066

W. FOREMAN. JAN. 1973

W. FOREMAN. JAN. 1973
FLIGHTS MILL, KIRTLINGTON. OXON.

SCALE HALF INCH TO ONE FOOT.

W. FOREMAN JAN. 1927

By kind permission of the owner, rector, Mr. J. GILES.
HARDWICK MILL, OXON.

Details at half inch to one foot.

This is a reconstruction, based on evidence on site.

The upper view shows the mill head & wheel chamber, & the original course of sluices.

W. Foreman, 1879.
W. POORE, OCT. 1977.
Woden Pit wheels were always at risk & in local mills were the first part to be replaced by iron.

In this case the spokes only have been replaced.

Notice how the centre was cast to fit an octagonal wooden wheel shaft, & when that shaft was replaced by a smaller iron one, a spacer had to be specially cast to make up between the old centre & the new shaft.

In some 200 mills I have never before found a wooden wallower.
SALFORD MILL. W.I. CHIPPING NORTON. OXON.

by kind permission of Mr. PARSONS.

Water wheel
15' 6" diam. 5' 6" wide 48 paddles
—a very clean casting—

Also wheel is loosely cast in 3 pieces, fitted to a square box cast on shaft. One Botter, fitted to box cast on 8" outer shaft, which bore also carries 6" iron cast in one piece, bolted & rim cast in 1 piece, to make up the other wheel. The iron wheel is an ordinary heavy (23" x 56" wooden ring) with 4 copper arm spades which are formed with a copper hub. It is 8 1/2" wide.

There are 2 bars of copper complete, one (@) with pipe elbow from Garrett & Over, Gloucester. There is another bar of piece metal in case (@) 2 copper lines of 8" diameter seen on site. The 2 bars denote in working position (i.e.)

Bore interior by Corr, Walker, & Mackie, Northampton

Dowel & shaft expand by Corr, Walker, & Mackie, Northampton

The normal size variation is building variation

There is a larger bow, where change on 1st floor.

Arrangement of stone spindles

Driven & with sliding into ends, the bore is also a wooden ring. It is a usual stone rectangle, through which run bars. The bars are carried on a wooden bar, fixed in place, at which there is a wooden plate fixed to the side, to which the stone ring is fixed by the bolts.

Horn details

This is the only mill show in the country bearing a modern name.

Overhand by Corr, Walker, & Mackie, Northampton

Dowel & shaft are driven by Corr, Walker, & Mackie, Northampton

Discovered into variation in building variation

V. Forces. 30th June, 1899
THE WATER WHEEL. BROUGHTON DOGGE'S MILL.
ISOMETRIC VIEW
8 O'CLOCK BREAST SHOT.

This wheel has decayed and its collapsed into the wheel chamber.

W. Foreman 74.
SOUTH WESTON MILL, LEOXWOR, OXON.

By kind permission of Mr. R. C. KEBU.

W. FORDHAM : APR. 1877.
COMBE MILL. OXON.

WATER WHEEL POWERING WORKSHOP SHAPING A SAW MILL.

Scale 1/40 to 1 foot.

When water wheel turned once, 17 hour would turn 15 times; workshop shaping 67 trees; space bigger 16 times.

The date 112 on the beam appears built into this complex suggesting an approximate date of erection.

There is a workshop on the first floor.

LONG SECTION.

GROUND FLOOR PLAN

1:250000 scale

W. FORER IXD.