

WINNICUT GRIST MILL  
Stratham, N.H.

HABS NH-24

HABS  
N.H.  
8. STRAT

1-

PHOTOGRAPHS AND DESCRIPTIVE DATA  
District of New Hampshire

HISTORIC AMERICAN BUILDINGS SURVEY  
Eugene W. Clark, Deputy Officer  
Durham, New Hampshire

X

HABS  
N.H  
8- STRAT  
1-

GRIST  
WINNICUT<sup>^</sup> MILL  
STRATHAM, N. H.

<u>Owner</u>	George E. Jewell
<u>Date of Erection</u>	1747 (Earliest Mention)
<u>Architect</u>	Unknown
<u>Builder</u>	Unknown
<u>Present Condition</u>	The mill is still in running condition and does a fair business.
<u>Number of Stories</u>	Two
<u>Materials and Construction</u>	Stone Foundation Wood Superstructure
<u>Other Existing Records</u>	

Prepared by E. W. Clark, District Officer, December, 1937.

*reviewed June 20, 1938 JRC.*

WINNICUT GRIST MILL.  
Explanation of Photograph- No. 1.  
of  
View from North East.

Portion at right is the main building of the Grist Mill.

In the foreground are the old road-bed and bridge abutments. At the right in the foreground are old sluiceways of a former shingle mill situated on the north end of the dam.

In the background is the mill pond and a new concrete bridge on its lower end, a present state highway. At the extreme left in the back ground are the miller's house and barn.

The dam is laid up in stone, topped with cement. SEE SHEETS 1 & 3 OF DRAWINGS. Under the main mill building is the tail race from the water wheel.

Formerly the miller ran a group of three grist mills; one above the mill pond, the present grist mill, and one down stream a quarter of a mile. He could run all three grist mills alone, because the corn was ground very slowly between the mill-stones.

WINNICUT GRIST MILL

Explanation of Photograph No. 3  
of  
View from West (On Bridge).

MAIN GRIST MILL BUILDING.

Shows Gate House lean-to with gate lever below;  
also part of dam and wooden rack in foreground to pre-  
vent obstruction from entering the water wheel. Area  
between rack and mill building called head race.

Corn on the cob delivered, originally, to door at  
right. (See Sheets Nos. 1 & 4 of Drawings.)

## WINNICUT GRIST MILL

Explanation of Photograph No. 8  
of  
East Room First Floor From  
East.

LEFT- Cast iron corn cracker, with barrel above and pulley below. Mill stone control pedestal. (See Sheet No..6 of Drawings.)

CENTER- Cracked corn chutes graded from fine at left to coarse at right. Three grades. (See Sheet Nos. 7, 8, & 10 of Drawings.)

RIGHT- Corn meal bin, and ~~se~~ sieve agitated by mechanism in West Room. (See Sheets Nos. 7, 8, & 10 of Drawings.) Fine meal after sifting at left and coarser meal, unsifted, at right.

## WINNICUT GRIST MILL

Explanation of Photograph No. 9  
of  
Machinery Room First Floor From  
North West.

MACHINERY- Wooden gear with wood teeth on water wheel shaft, with pulley belted to corn cracker below, and pulley with belt operates crackercorn conveyor for endless belt between the two. (See Sheets Nos. 7, 8, 10, 11 & 16 of Drawings). Wooden gear engages with a smaller iron gear to turn the top mill stone.

TOP- Wooden gear #1 with wood teeth on water wheel shaft engages gear #2 which turns top mill stone.  
(See Sheets 7, 8, 11, 16.

CENTER- Iron pulley to operate cracked corn conveyor  
(See Sheet No. 11).

BOTTOM- Pulley hitched to corn cracker. (See Sheet No. 11.)

## WINNICUT GRIST MILL

Explanation of Photograph No. 5.  
of  
Mill Machinery on Second Floor  
From South East.

## PREPARING CORN.

Corn on the cob, in sacks, is brought to the mill and is weighed and emptied into a chute, (in lower left corner of photograph) and is dropped into the cracker on the first floor. From there, as cracked corn, it is then carried on an endless conveyor belt, (at the extreme left of photograph) to the upper part of the second floor.

## CRACKED CORN.

It is here that the process divides for if the farmer desires only cracked, it may be diverted into a diagonal chute containing two screens. The corn passing over the screens in a diagonal path is separated into coarse, medium and fine. Three separate exits from the diagonal chute are shown in the top of the chute at the bottom of the photograph. See photograph No. 7 for the continuation of the chutes.

## CORN MEAL.

On the other hand, if corn meal is desired the cracked corn travels downward to a hopper shown above the tub and in

turn to the shaker at the top of the tub and so let down to the mill stones..The two millstones are in a wooden tub (lower center of photograph) and the top stone is revolved by a shaft geared to the water wheel, while the lower stone remains stationary. As the corn is ground into meal between the two stones, it works toward the outer edge and falls into a chute leading to a seive and bins on the first floors, (see Photograph No. 8.) See Sheets Nos. 7, 9, 10, 13, 14, 15, 18 & 19 of Drawings.

## WINNICUT GRIST MILL

Explanation of Photograph No. 6.  
of

Mill Machinery on Second Floor  
(From North East).

FOREGROUND- Old Shaker shaft the fork used formerly to agitate smaller hopper to shake cracked corn gradually onto mill stones. (See Sheet No. 11 of Drawings.)

The stone hoist and irons used to lift the top stone for picking. Picking was the roughening of stones that had become smooth in the grinding process. The pick is shown on Sheet No. 18. The pin on the ends of the iron engaged in holes on the side of the upper stone.

CENTER- Tub containing mill stones with hoppers above. (See Sheets Nos. 9, 10, 13, 14, & 15 of Drawings.)

UPPER LEFT- Bevel gears and shaft used for revolving endless belt in connection with cracker. (See Sheets Nos. 7, 9, & 10 of Drawings.)

WINNICUT GRIST MILL

Explanation of Photograph No. 7  
of  
Mill Machinery on Second Floor  
(From North East).

RIGHT - Old stone hoisting irons. (See Sheet No. 17  
of Drawings.)

LEFT- Hoppers and chute from endless belt. Roughage  
outlet near stone hoisting irons. (See Sheets Nos. 7,  
9, 10, 14, & 15 of Drawings.)

## WINNICUT GRIST MILL.

Explanation of Photograph No. 4  
of  
Lower Granite Mill Stone.

## MILL-STONE.

This granite millstone is one of two sets of stones in the original set-up. At edge of mill-stone can be seen the top of a former meal ~~shute~~<sup>chute</sup> flush with the upper surface of the stone and the floor.

## CRACKER CONTROL.

In the upper right corner is the cracker control wheel and ~~shute~~<sup>chute</sup> in floor to the cracker on the first floor.

SEE SHEETS NOS, 2, 9, & 11 OF DRAWINGS.