J. W. Dart. W. & H. Webster.

6621X

Flour Mill.

Patented July 20. 1831.

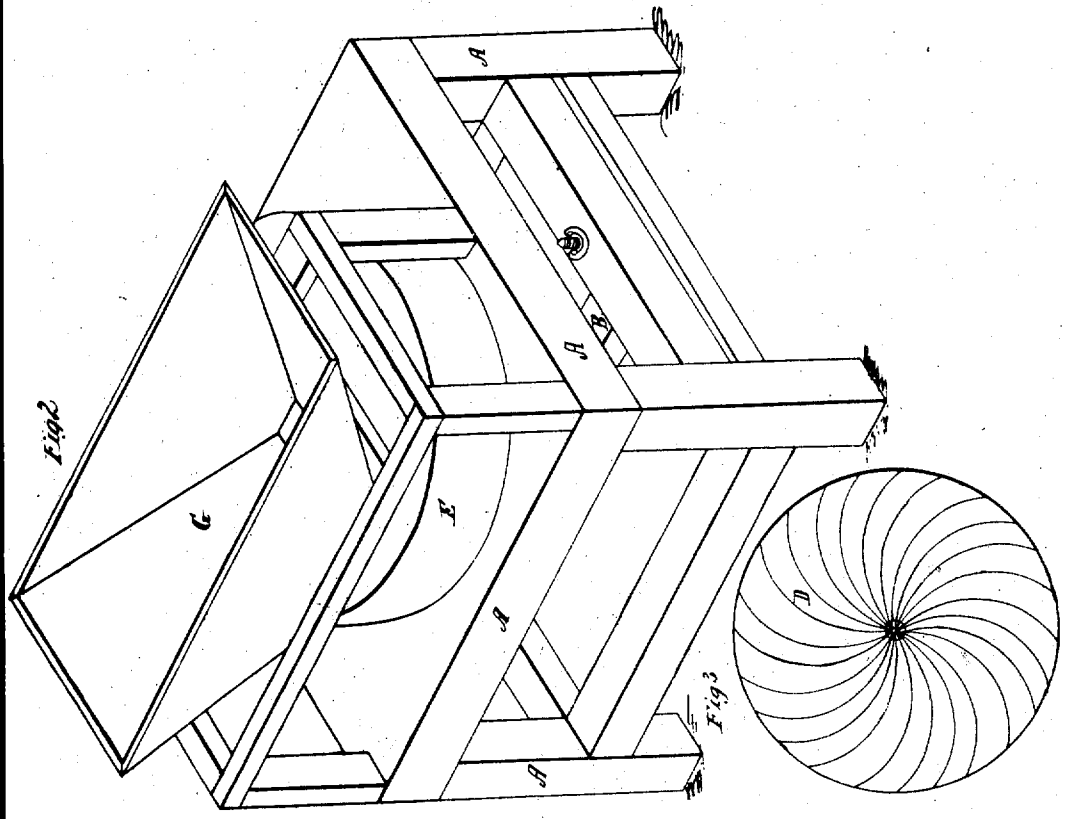


Fig 2

Fig 3

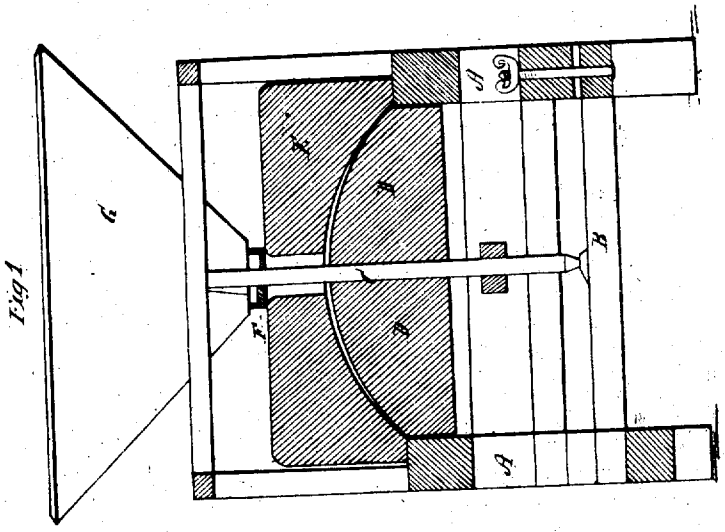


Fig 1

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July 20, 1831

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Ethiel W. Dart. Willard Webster and Hiram Webster. Truxton New York —

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Ethiel W Dart. Willard Webster and Hiram Webster themselves of their improvement in the Grist mill.

Be it known that We Ethiel W. Dart Willard Webster and Hiram Webster of Truxton County of Courtlands and State of New York have made an improvement in mills for grinding grain which is described as follows.

The frame is made of four posts framed together by two gists on each side of the frame. A piece of timber called the bridge tree or Mill beam is tenoned into mortises in the centre of the two of the lower gists. One of the two gists on which rests the mill beam is moveable to set the Stones for fine or coarse grinding — In addition to the above mentioned gists there is one above the moveable gist for the purpose of fastening the frame together & to receive a bolt running through the moveable gist and through the before mentioned gist with a nut and screw on the top for the purpose of raising the mill beam. The size of the timber ranging with the size of the Mill, and the height is sufficient to receive the Stones gearing and cask. The hopper and shoe are made in the usual way. The cask is stationary and rests on the upper gists and is fastened down by bolts of iron running through the gists on which it rests with an angle or cleat on the upper and a nut & screw on the lower end. or by a band iron or wood across the top of the cask and fastened down to the gists at each end. The cavity in the cask is made in a circular form to receive the grinding surface of the runner hereafter described. The runner is a flat surface on the bottom running out in a straight line on the sides two inches or more. Then the grinding surface rising in a circular form from one eighth to three eighths of the diameter of the runner in the centre. The runner & cask are both

Drawing

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made of stone and the medium diameter of the runner for grinding grain is about sixteen inches, although not limited. The spindle or shaft running through the centre of the runner being fastened to it and of sufficient length below to raise the cast and running through and above the cap two inches or more for the purpose of keeping the runner in the centre & shaking the shoe. Said spindle runs in a box placed on or in the mill beam and runs through a box at the top of the cap. or in a box of iron or wood. Said boxes are both moveable to centre the runner & plumb the spindle. — The mill may be put in motion by water or any known power by means of a staff and pulley or cog wheel placed on the staff or spindle — The mill being put in motion the grain on log at the opening in the cap near the spindle and runs into the furrows which are cut in any direction required and is ground and carried off in the usual way — The invention hereby claimed is the peculiarness of the construction of the mills, the grinding surface as before described and in opening the usual power for grinding

In testimony that the foregoing is a true description of our invention we have subscribed our names before two witnesses & made oath to the same this seconday of June 1831.

Witness,
Abraham Hart
Edmund Harris

Ethiel W. Doel
Willard Webster
Hiram Webster

Ent
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