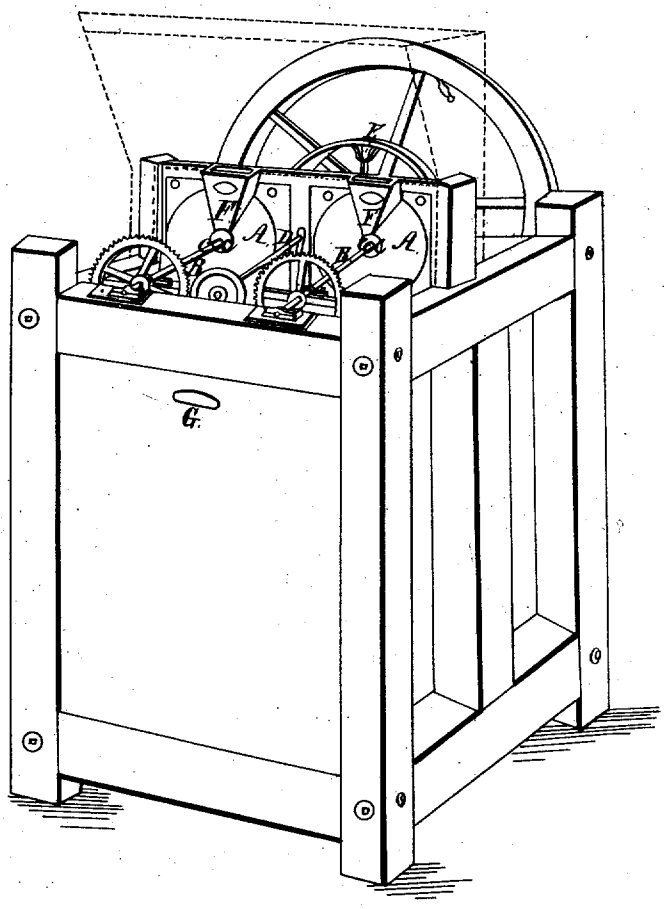
5845X

PATENTED FEB. 23, 1830.

I. WILLSON.

MILL FOR GRINDING CORN.



Feb 20. 1838 5845X 185

Increase Wilson of New London, Connecticut

Letters Patent

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the — Increase Wilson himself of his improvement in mills for grinding corn and other substances,

To all to whom these presents shall come,

Be it known that I Increase Wilson of the Town of New London, in the County of New London & State of Connecticut have invented a new and useful improvement in mills for grinding corn & other substances & that the following is a full and exact description of the construction and operation of the said Machine as improved by me,

The improvement consists first in connecting two or more cast iron mills (or the grinding parts thereof,) together by means of several cast iron spur or bevel wheels, with iron shafts, and coupling boxes or clutches to that by turning one shaft, one or more of said Mills are put in operation & one or all of them readily disengaged by sliding the coupling box attached to each Mill, the object being to enable a person to apply to advantage, whatever power he may desire, to drive the Mills, which in the ordinary way (with only one Mill he could not do so conveniently) There is also another advantage in having two or more small Mills instead of one large Mill to grind equally fast, that true small castings may be easily obtained while those of a large size are apt to warp or spring in cooling & small castings are generally harder than large ones) The improvement further consists in the construction of the Hopper, which is made in two parts, the main or upper part of iron & the bottom or lower part of wood, the upper part of the hopper is cast iron and attached to a center board over the

Runners in the hopper

5845 x

mills both sets of the hoppers may be made of sheet iron as in the accompanying & annexed drawing & marked A. representing the improvement — a mill for grinding corn and other substances (with two mills or grindstones for the use of families) the two mills operating by connecting together by coupling & shafts — the two mills operating by connected in a board which is screwed across the centre of a frame, one end of each of the outside grinders passing thro' the centre of each of the outside grinders and connected with shafts (marked B.B.) by two iron coupling boxes (marked C C) which are made to slide on the shafts so as to dis-engage one or both mills at pleasure; to the shafts are secured two spur wheels to gear into one of about half their size (as appears by the drawing) which is secured on the main shaft (marked D.) on the main shaft (which passes through the centre bisors) a cast-iron pulley is secured (marked E.) to which is applied a belt to move the Mill, on the end of the same shaft is a fly wheel into which a handle is placed, whereby it may be occasionally to work the Mills by hand —

The stationary or lower parts of the Hoppers marked E.E. the main Hopper is represented by the dotted lines, has two outlets directly over the stationary or lower parts of the hoppers (F.F.) to pass the corn or other substances into the mills supported by means of a groove cut into each end of the main hopper, so as to slide down the centre parts as far as the upper railings of the frame, a box or drawer to slide out and into the frame to receive the meal is represented on the drawing (marked G.)

Invented Nelson.

Witnesses

Wm. D. Cleveland

Francis G. Turner

6418 nh

2c

Schff.