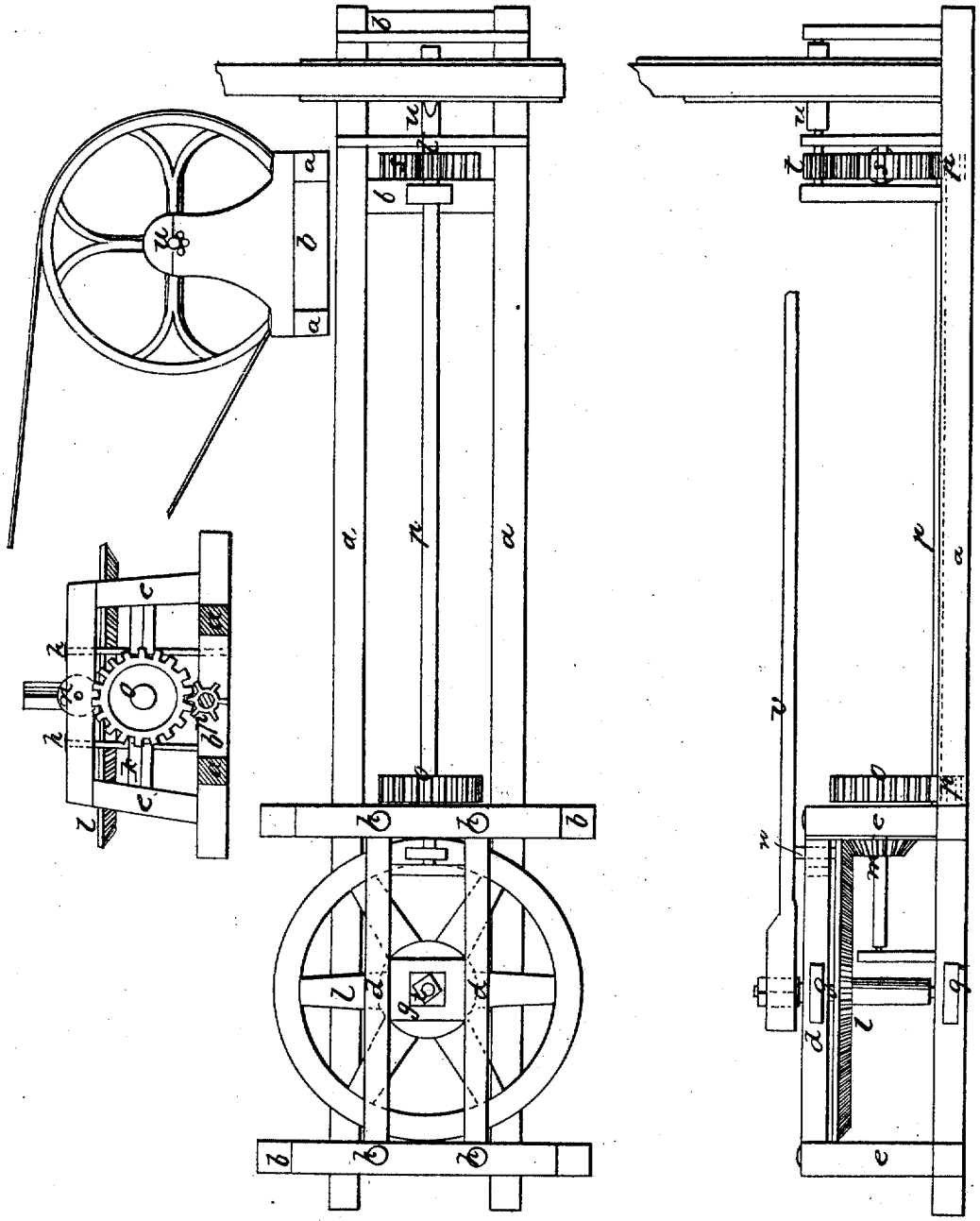
7342X

D. Flagg,

Horse Power.

Patented Dec. 28, 1832.



AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

Dec. 28. 1852

7342x David Hagg dec'd

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 David Hagg dec'd himself of his improvement in the Machine for propelling Machinery called "Hagg's Portable Horse Power"

Be it known that I David Hagg dec'd of New York, in the County of New York and State of New York, have made an improvement in the Machine for propelling machinery called "Hagg's Portable Horse Power" which is described as follows, Take two sills of a suitable size and length, say four teen feet long, more or less, bore them to four cross sills, eighteen inches apart, and bolt them together. These cross sills are at each end of the long sills, and at a suitable distance from each other to receive the wheels and pinions, which give motion to the Machine, on one end of the sills is a frame which contains the main wheel and pinion This frame is made by framing four posts into the cross sills outside of the long sills leaving two ends each other at the top ends, on the top of these posts are cross pieces similar to the cross sills, which are framed on the tops of the posts about fifteen inches above the sills, on the tops of these cross pieces are two plates bolted on them at right angles, reaching from one to the other, being fastened them by bolts passing through into the short sills at the bottom; in these plates are mortises, into which is framed the head block, through which the shaft of the main wheel passes to receive the lever to which the power is applied, to give motion to the machine. There are also two girts framed into the said posts, at a suitable distance from the sills to receive the box and journal of the main pinion, which gears with the main wheel, the other end of the shafts journal being supported by a piece of plank of suitable width and thickness to receive it.

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7342x Dec 28, 1832

All the journals run on pivots which are of the following description, they are cast in one piece in diameter one and a quarter inch thick more or less, and run on a pin passing through them so nearly as to admit of their turning on them. The journals which rest on them are kept in their places by means of a cap plate and screw bolted to the frame. The main wheel which turns horizontally, may be varied in size according to the dimensions of the machine, it is on the bevel principle, and should turn the pinion five revolutions to one of its own. It is placed on an upright shaft which is supported within the frame by a cap piece, running from one sill to the other, and locked thereon. On the shaft of the main pinion is a bevel wheel fourteen or fifteen inches diameter more or less. This wheel gears with the pinion on the line shaft, which shaft extends to the opposite end of the machine to the object to be propelled, and is supported by the cap sills. On the end next to the machine to be propelled is a cog wheel of the same size as the one on the shaft of the main pinion, which gears with a pinion on the shaft of the band wheel. The band wheel is supported by two pieces of plank bolted to the sills edgewise of suitable width to receive the journals of the same, this band wheel should be of such size as to give the speed required to the cylinders of a threshing machine, they being connected together by bands. A friction roller or travelling wheel, supported by a suitable standard is placed on the top of the main wheel to keep it in gear with the pinion. For a further illustration of my invention I refer to the model and drawing of the same deposited in the patent office. What I claim as my invention and wish to secure by Letters Patent is the peculiar arrangement of the several parts of the one before described portable horse power for propelling machinery done at the City of Washington this 15th day of December 1832

Witnesses

Ed. William P. Elliot

1832 Jacob P. Medara

David Hagy Junr.

(Dec. 28. 1832) (Jos. Wade)