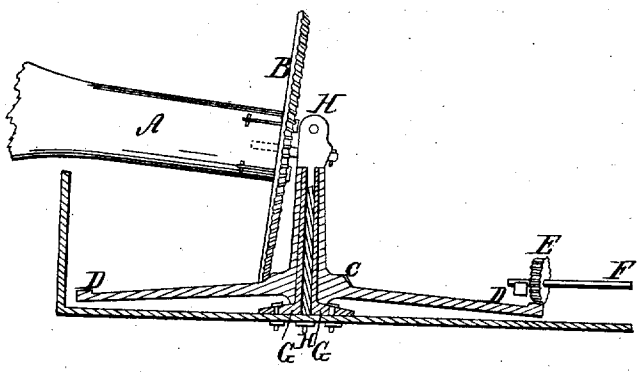
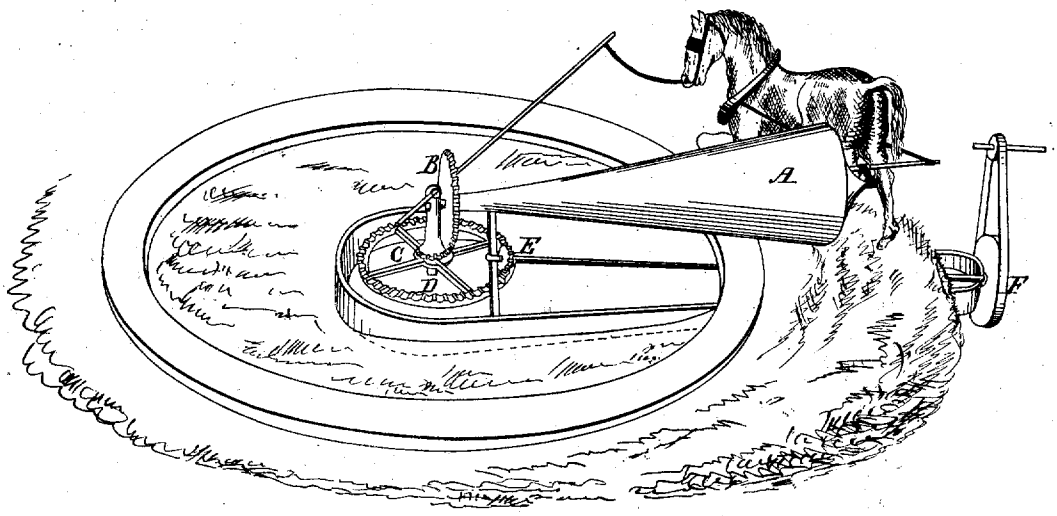
7883X

B. O. Beecher,

Horse Power.

Patented Dec. 23, 1833.





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

1883X

Dec. 23. 1833

Benjamin D. Beecher of Cheshire 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 said Benjamin D. Beecher himself of his improvement is as follows.

To all persons to whom these presents shall come. Benjamin D. Beecher of Connecticut New Haven County & Town of Cheshire send Greeting. Be it known that I Benjamin D. Beecher have invented constructed and applied to use a new and useful improvement in machinery for animal power. Commonly called Horse power. Said improvement and its manner of building are as follows. 1st This machine is built by having a plank ten feet long and 10 inches wide and two thick, placed near inches below the floor or surface of the ground and boards nailed across at one end in such a manner as to form a circle or eight cornered box three feet diameter seven sides of which are boarded up ten inches high and a hoop is formed ten inches square to receive the Line Shaft. 2nd At the centre is an upright like or socket bolted firm to the plank eight inches long three inches diameter at bottom and two inches at top with a hole through the centre one and one fourth inch diameter true and smooth 3d on the outside is a shaft well fitted seven inches long. the lower end being connected to a bevel cogwheel thirty inches diameter facing upwards and meshing into a pinion of six inches on a line shaft running horizontally through the ten inch box. 4th To the end of the shaft is fastened a band wheel twenty six inches diameter from which speed is given to the machinery — 5th In the box is a wrought iron bolt with a head at bottom the top being made fast in a cast iron head through which are two holes at right angles one above the

other the top one to receive a post to load the horse, the thoroughfare made fast in a bevel Wheel of twenty two inches diameter working into a pinion made fast to the arms of the thirty inch wheel. 6th To the back of this wheel is a wood shaft seven feet long in form of a cone thirty inches diameter at one end, seven at the other the small end attached to the wheel, the other to the horse; this shaft rolls round on a platform or railway after the Horse by which means dip turns are given to one of the Horse. producing two hundred and fifty turns per minute on the line shaft. 7th By means of this cone and railway a complete relief is given so that the Horse cannot exert any undue influence over the machinery. 8th A similar speed may be given by a wheel attached to a lever with cogs in it, working into a pinion the shaft of which may extend to the centre of action, or into the body of a cart, making a travelling machine. 9th The proportions may be varied in any way to suit the fancy or convenience of the builder or owner.

What I specially claim as my Invention and improvement is the Rolling shaft or wheel on a smooth surface and the manner of constructing and operating the machine.

Reference. — A. the revolving shaft to which the wheel B. is firmly fastened. C. pinion nine inches made fast to the arms of the wheel D. thirty inches E pinion six inches. F line shaft extending to the inner outside of the house shaft

Witnesses
Gedeon J. Mainwright
C. J. Mainwright

Benjamin C. Becker
(Of Port Colborne)
(Patent 25 Dec 1883)

(Not imd)