8418X

# S. Leonard,

## Horse Power.

Patented Sep. 23, 1834.

Fig. 2

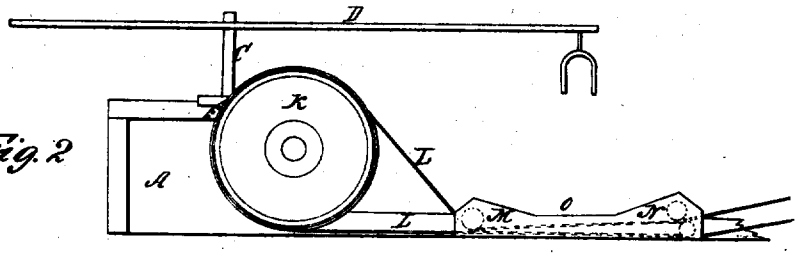
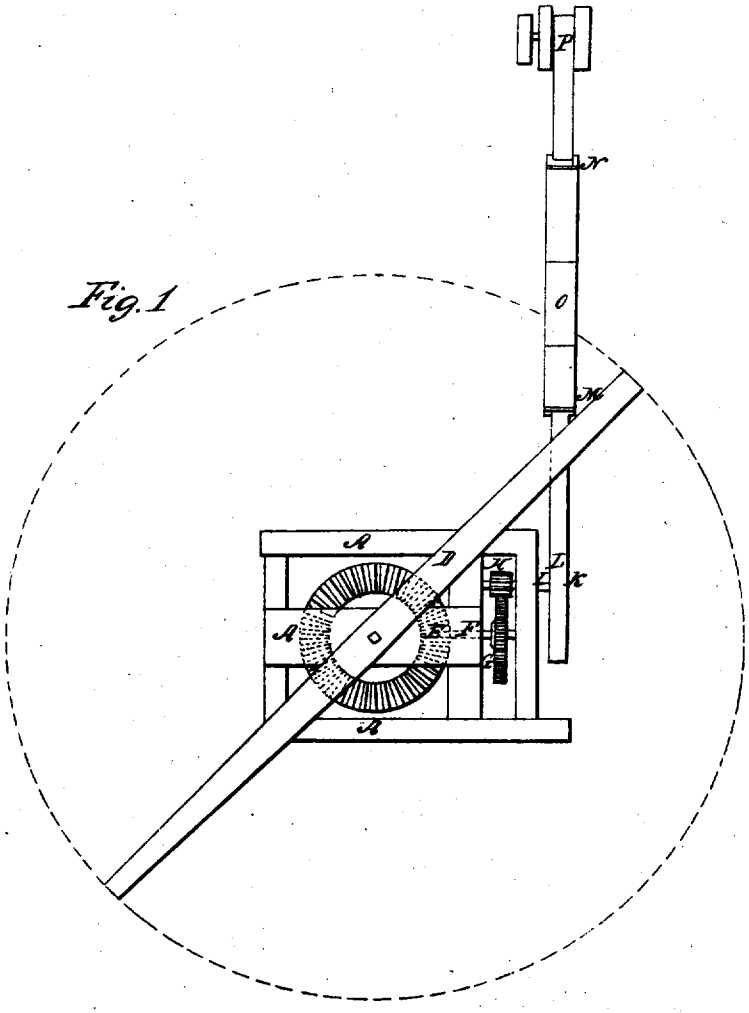



Fig. 1




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

8418X Sept 29 1874

# Silvanus Leonard of Hampden, Maine

## 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 Silvanus Leonard himself, of his improvement in machinery usually denominated a Horse Power

---

To all persons to whom these presents shall come, Silvanus Leonard of Hampden, in the County of Penobscot, and State of Maine, House Carpenter, sends Greeting. Be it known that I, the said Silvanus Leonard, have invented, made and applied to use, a new and useful invention in machinery usually denominated a "Horse Power". The disposition arrangement and uses of the several parts I have fully described and set forth in the following words, and annexed drawings, which taken in connection, form my specification

A A. Figs 1 & 2 represent the frame work of timber or iron or other suitable material, shaped as seen in the drawings, or in other respects, suitably constructed to answer the intended purpose of supporting the machinery. B. is a horizontal bevelled wheel on the upright main shaft C. the lower end or foot of the main shaft C, turns, and is supported in a bearing or step in the usual manner, while to the top or upper end is connected a long lever D. having at its opposite extremity a bow or other suitable fixture for attaching a horse to the same, the horse being the driving power. The bevelled wheel B acts on a bevelled pinion E. on a horizontal shaft F. having on its other end a cogged wheel G. which turns in or into the teeth of a small cogged pinion H. on a horizontal shaft I. and by this action on the same turn around the shaft I. This shaft I. has fixed on its other extremity, or in any other convenient place, a large pulley or drum K. around which an endless belt L. passes. From the pulley

8418x Sept 23, 1834

K. the belt L. continues under the guide pulleys M. N. placed on each side of the horse track. O. and so situated that the belt shall pass under the horse track, as seen in the drawings Figs 1 & 2. From under these last pulleys, the belt is carried over and around the pulley or drum P affixed to the machine it is proposed to drive or act on. I have applied this machinery to be moved by a horse, to a Threshing Machine, but I do not mean to confine it exclusively to that purpose, but to operate and drive any machinery to which it may be conveniently attached and used to advantage.

I claim in the above the peculiar arrangement or combination of the several parts for the purposes above mentioned, and separately and singly, as a part of this combination. I claim guiding the belt in its passage from the pulley K to the pulley P. in a direction under the horse path or platform by small pulleys M & N. as seen and represented in the drawings. In testimony that the above is a true specification of my said invention I have hereunto set my hand this twenty fifth day of August in the year of our Lord Eighteen Hundred and thirty four

Witnesses
Caleb Eddy
Robt. H. Eddy

Silvanus Leonard
1 Drawing