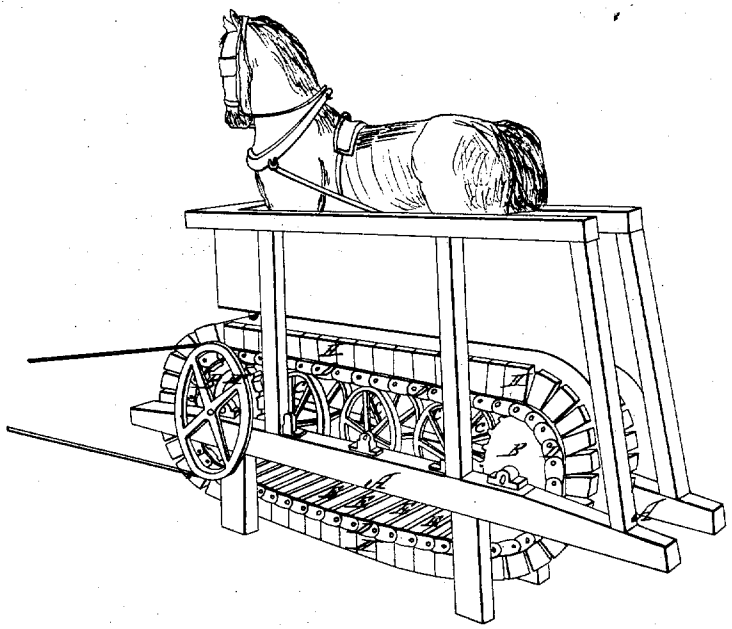
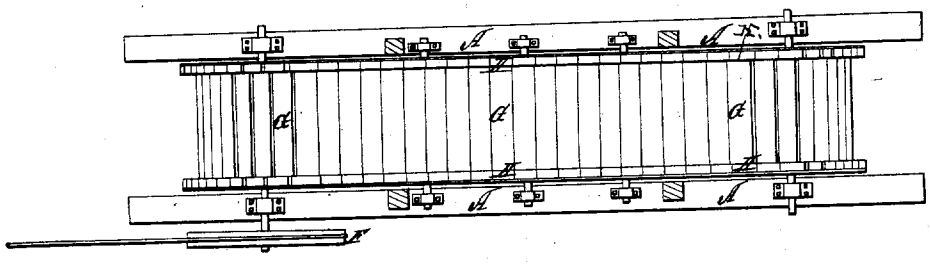
No Printed Specification Available

7888X J & L. Hale,

Horse Power.

Patented Dec. 24, 1833.





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

X-7888 Dec. 24. 1833 87.

John Hale & Luke Hale, Hollis Co. New Hampshire

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 John Hale and Luke Hale, themselves of their improvement in the Machine for applying Animal Power to propelling Machinery, Boats &c.

To all whom it may concern: Be it known that we John Hale & Luke Hale, of Hollis County, of Hillsborough, and State of New Hampshire, have invented an improvement in the Machine for applying Animal Power, for propelling Machinery, Boats &c. & using a portable Machine, and the following is a full and exact description of the said invention, to wit: The frame for a Machine for applying horse power is about twenty feet long and twenty inches wide. on this frame is placed two horizontal shafts resting in bows on each side of the frame, on each side of these shafts are placed two indented wheels about twenty inches in diameter, and about sixteen inches apart, and at equal distances from the centre of the Machine. These shafts are placed at equal distances from each end of the frame, and are about seven feet six inches from each other. Between these shafts are placed one or more intermediate shafts with wheels placed similarly to those above mentioned, having smooth peripheries. These wheels are to assist in supporting two endless chains. The links of these chains are about four inches long, and put together with rods about eighteen inches long which pass from one chain to the other, each rod forming a rivet for the chain. These rods are parallel with the above mentioned shafts and pass over the indented wheels which prevent the chains from slipping when power is applied to the handwheel. The hand

small wheel is placed on the end of the shaft (outside of the frame) which supports the (inclined) wheels. An endless platform on which the horse walks is composed of bands or planks, their width corresponding with the length of the chain links. The ends of these bands or planks rest on the endless chains, on these bands or planks near each end are placed supporting blocks, the same width of said bands, and about five inches high. These blocks and bands are bolted firmly to the chains. The blocks support the platform while passing over the wheels above mentioned. When great speed is required small pinions are geared to the inclined wheels which the above named rods pass over.

What we claim as our invention and for which a patent is asked is the manner of supporting the Platform and the chains.

Witnesses
Benjamin F. Farley.
Benjamin M. Farley.

Alvin Hale
Luke Hale

Patented 24 Dec. 1839
(Dr in Port folio)

Engd.
Hfd.

[450 wds]