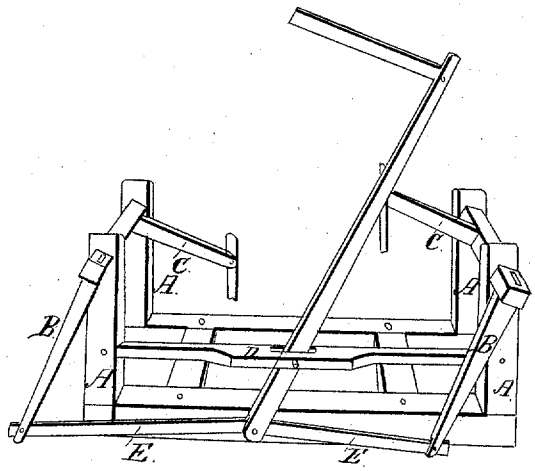
9642X

J. Turner,

Mechanical Movement.

Patented May 6, 1836.



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

May 6, 1836

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Joseph Turner Gland. Me

Letters Patent

To all to whom these presents shall come Be it known that Joseph Turner of Gland County of Cumberland and State of Maine, have invented a new and useful Improvement in a Machine for raising Water and other purposes called the double lever Jack and that the following is a full and exact description of the Construction and operation of said Machine as invented or improved by me. The sills of this machine are three feet four inches long three inches thick and three inches wide there are also two cross sills of the same size of the length to be framed accurately by means of tenons and mortises three inches from the ends to the ends each side of the centre of the long sills so as to form an oblong square about twenty three inches there are four posts thirteen inches long including the tenons inserted in each corner of the frame, at the extremity of the sills so as to stand perpendicular as in the letter A doth appear. About three feet and a little more than three inches of the top there are fitted through the posts mortises for the shaft to work in composing levers. the shaft three inches square and project on one side three inches and three tenths square down making what is called the long arm of the machine being thirteen inches from the top of the shaft to the end which is graduated to three fourths of an inch square as in letter B doth appear. On each of these shafts and in the centre between posts there is inserted horizontally a piece of iron twelve inches long from the outside of the shaft to the end which is three fourths of an inch square making what is called the short arm, as in letter C doth appear on the same side of the machine and eight inches above the

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bar there is fitted a bar-long thick of the Machine and secured
at each end of the bar to be immoveable thereto to the under
of this bar there is a Mortice made right inches long and one
inch & half inches wide through which a lever three feet long and
one inch and a half, square and is fastened by one iron pin.
through the centre of the Mortice and six inches from the lower
end of the lever as in Letter (A) doth appear. At the top of this
lever is fitted a rod from four to six feet long and one inch in
diameter by which the lever is fitted and the lever is put to perpen-
dicular and the long arm pointing directly down. Making the
distance back long from the end of the lever to the end of the long
arm twelve inches there there is a Mortice made in the end of the
lever and in the end of each of the long arms so as to admit the iron
rod one inch wide and three eighths of an inch thick to put together
in the lever to form a joint as one pin. The other rods are fitted
in each way in the end of the long arms with iron pins as in Letter
(E) doth appear. His if need to raise to and is fitted on the
top of a pump rod or piston made fast to the end of the short arms
and is put in motion by taking hold of the rod which is made fast
to the top of the lever and thus giving the arm the motion generally
used in working. This frame may be fitted on the pumps head
or round set at any distance asunder by lengthening or shortening
the frame as the case may require and turning the short arms
accordingly.

That I claim as my invention and not previously
known in the above Hinged Machine is the purchase obtained
by the double lever and its application to pumps engines &c &c.

Witness
James H. Bruce
Joseph Wetton

Edward Shaw
1841 mch