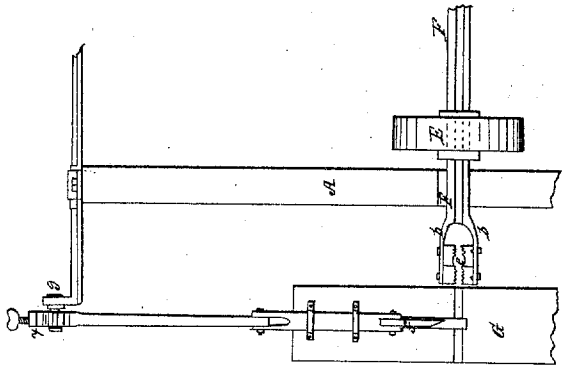
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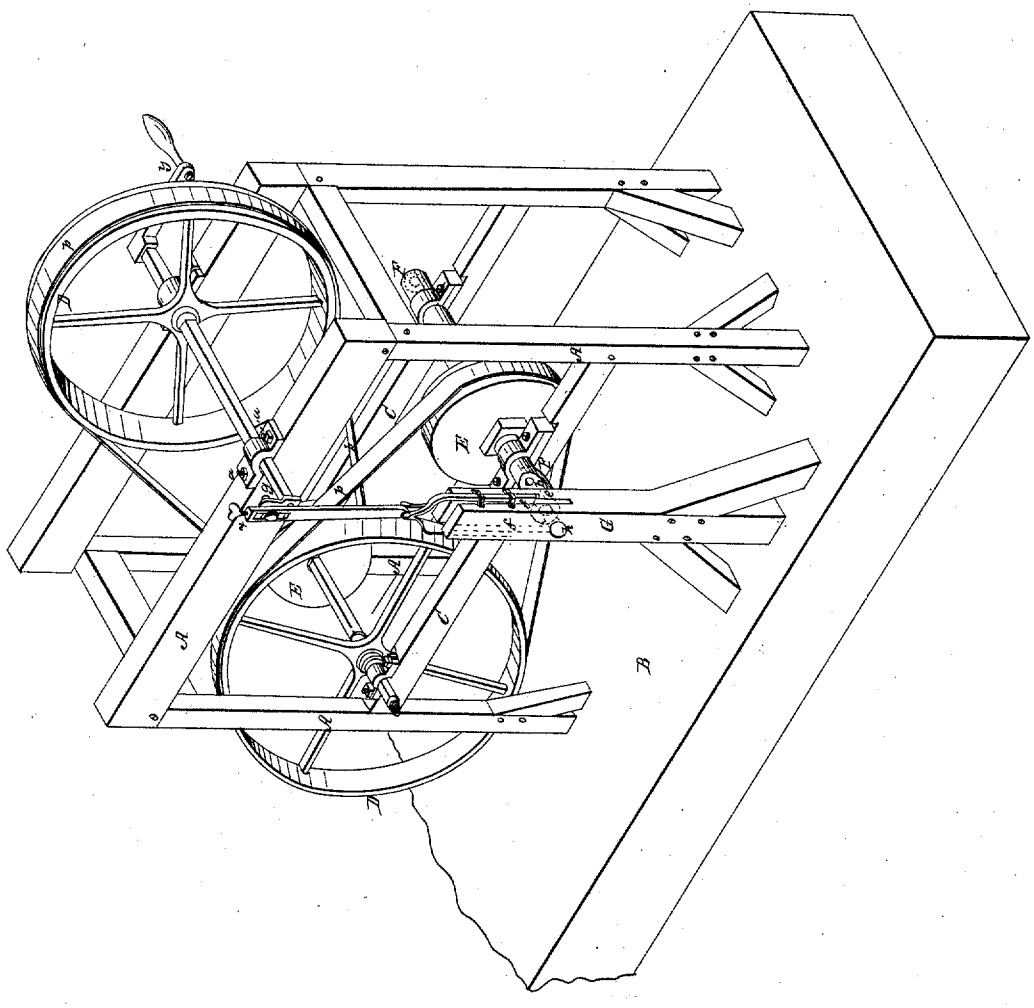
1741X

R. U. Richards,

Making Shoe Pegs.

Patented May 23, 1812.





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

Robert M. Richards
Letters Patent

1741X

The Schedule

referred to in these Letters Patent and making part of the same containing a description in the words of the said Robert M. Richards himself of his improvement in making Boots & Shoes by using wooden pegs made with screw or notched screws

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The said work being made with wooden screws, which screws being driven in the heels and soles after the said. The said screws being made in a machine which is made part of this invention this machine consists in a number of important principles. I have a frame with four posts at the corners being framed at the bottom to a plank. The machine is one foot and six inches long and high one foot eight inches wide the sides consist of two slicks of timber being framed to the posts. The running work consists of two wheels one foot diameter and two wheels being geared so as to add to the velocity, sixteen to one of the wheels will run on iron shafts one shaft having cranks one to put the machine in motion and the other cranks to work the cutter, the shaft to run on pedestal heads so fixed by screws as to tighten or loosen the bands or belts. I have a spindle which I work by screws. The spindle is eight inches long and hollow so as to have the stick run in the centre; on the end of the spindle I have two prongs which fix on my boy to suit the screws the boy is made similar to any boy to cut a wooden screw. I have a part of the boy where I cut the screws of wire or iron so as not to wear, with a thread - - - - - cut in the boy to screw the screw my cutter to cut off the screws has its motion from the first wheel by a small crank from that motion I have a chisel or knife that goes against a solid post, the post should perpendicular with a hole in it to receive the screw rods, then the chisel works at the bottom of the post and cuts them a suitable length for screwing by means of a gauge bolt set or screwed by a screw. I find this machine can be varied a number of ways. I have go with one large wheel single geared or small wheels double geared the boy to turn spindle but I prefer the spindle and boy to turn and the machine to be geared and to work these can be screws or square pegs can be screws or done in a die but I turn all screws or pegs or screwed round or square this machine can be fixed to drive and a number of screws at a time

Witness Frederick Richards
Edward Richards

Robert M. Richards
Drawing made by Mr Redmond

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