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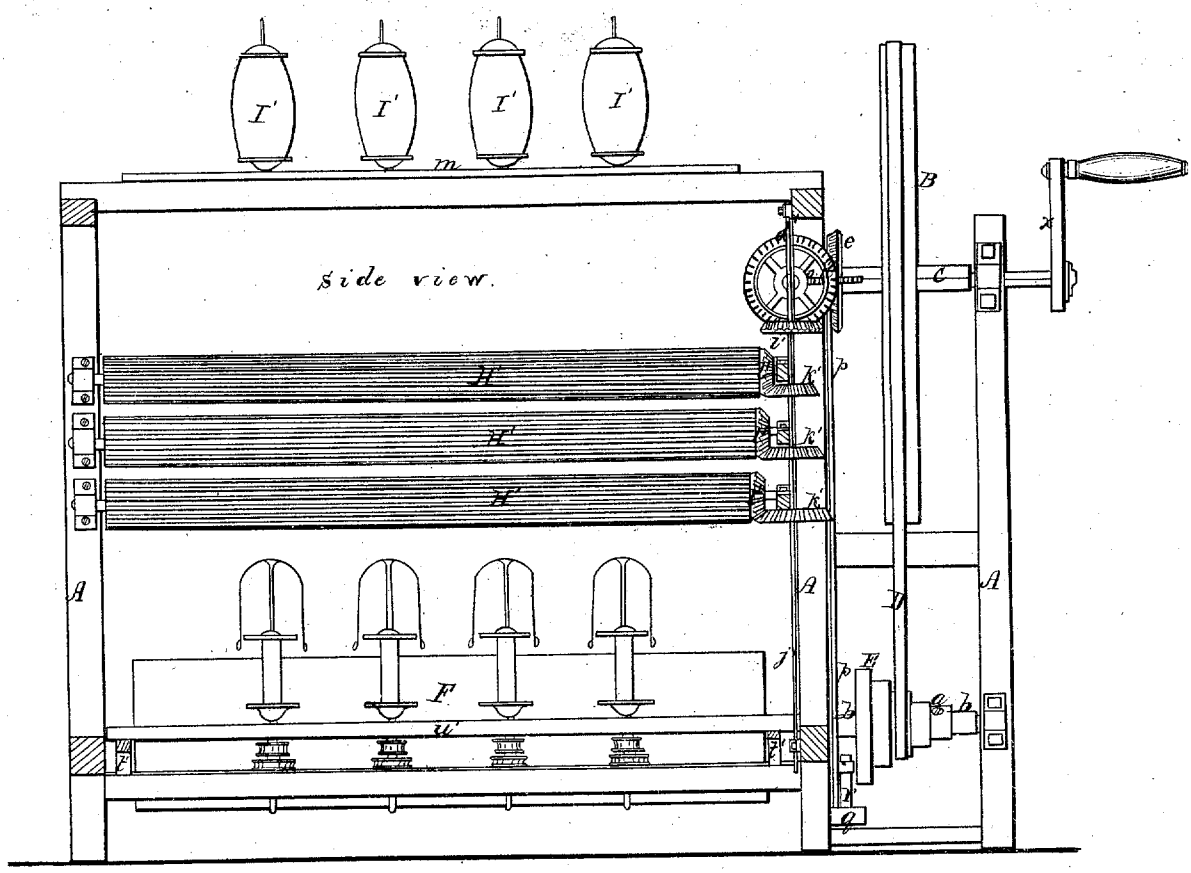
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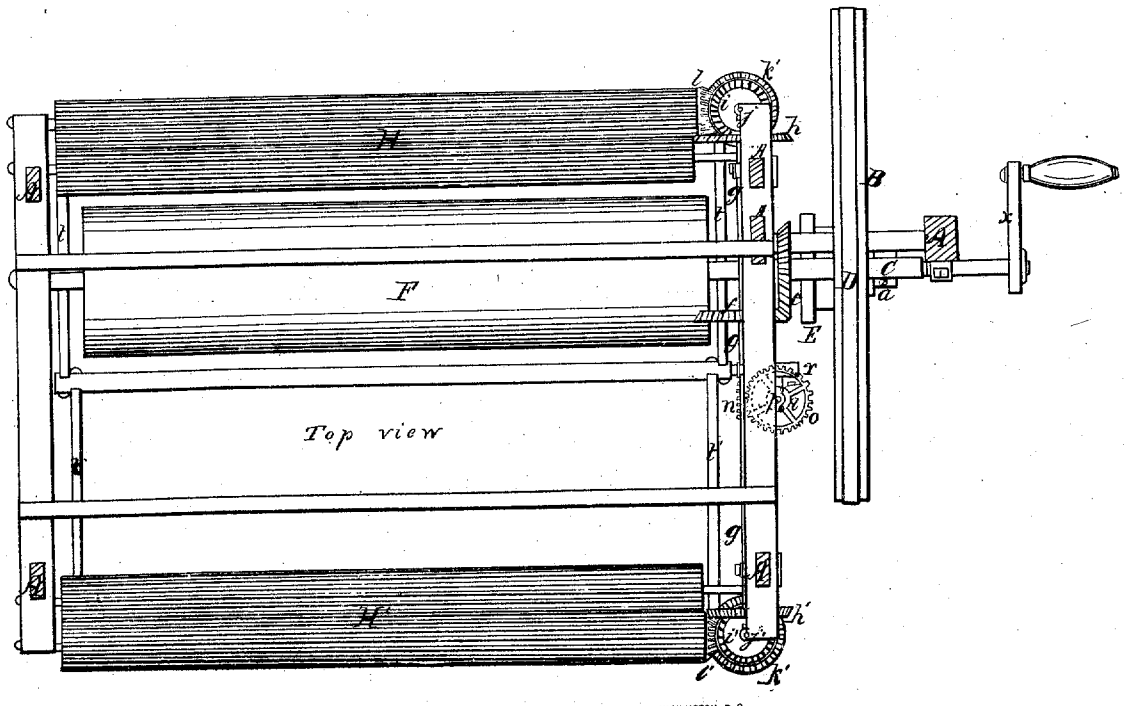
No Printed Specification Available

P Paddleford.

Spinning Mach.

Patented May 18, 1816.





N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

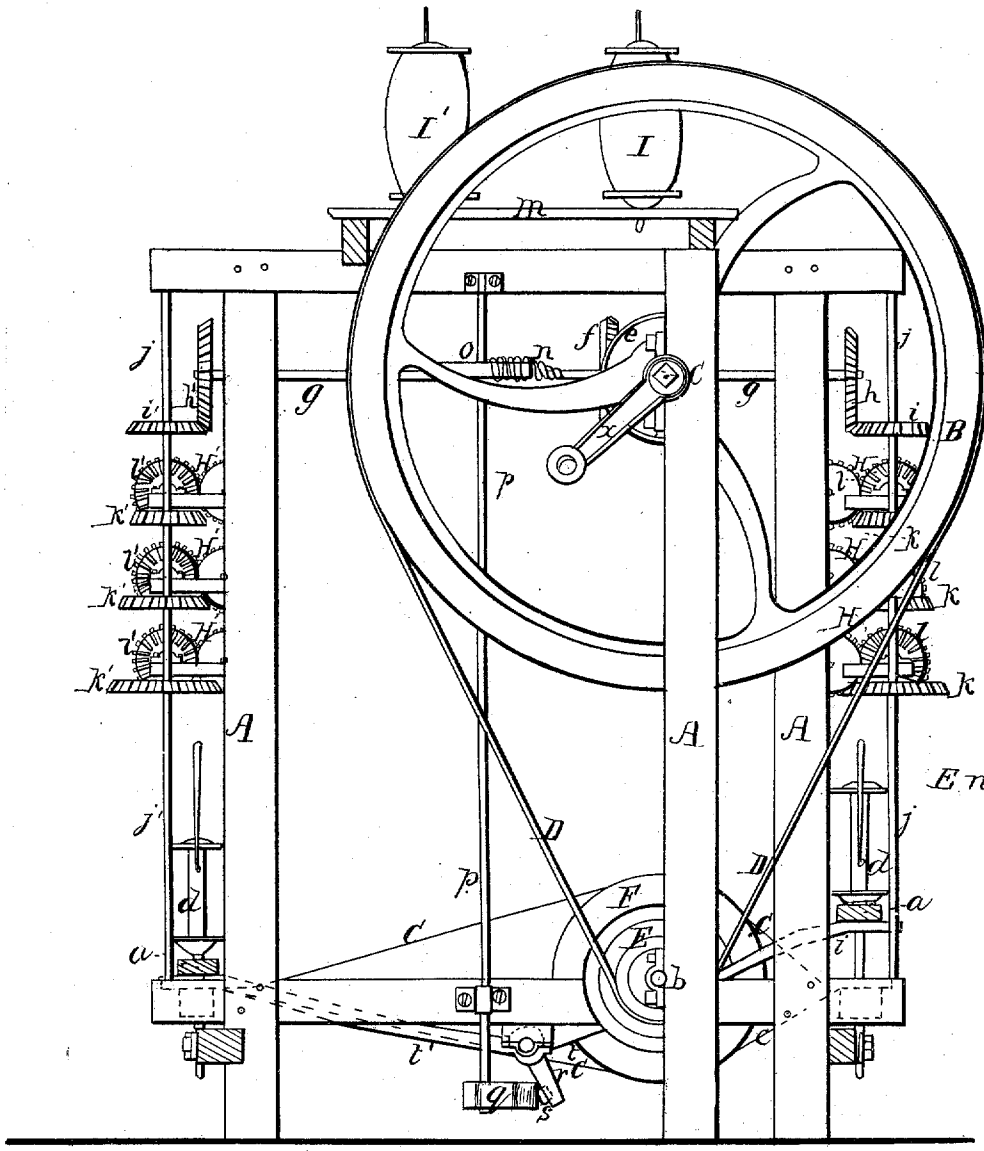
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Sheet 2-2 Sheets.

P. Paddleford.

Spinning Mach.

Patented May 18, 1816.



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

Specification of Peter Paddleford's Patent Spinning Machine

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May 18, 1816

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Peter Paddleford himself of his machine for spinning Sheep wool & Cotton.

The machine is attached to a frame composed of joists & posts constructed on the usual principles there being usually six posts & the length of the frame depending on the number of spools to be applied which may be varied agreeable to the wishes of the manufacturer the machine is so constructed as that spindles are applied and used on both sides of the frame. Two pair of the posts are placed near to each other at one end of the frame & motion is given to the machine by a large wheel moving on a horizontal axis between these two pair of posts and near the top thereof and acting in a direction transverse to the frame. Round the before mentioned wheel passes a band which also passes round a conical whirl moveably fixed by means of a screw on the axis of the main cylinder lying longitudinally near the bottom of the machine or frame. Around which cylinder are placed the band or bands which turn the spindles & flies similar to those used in other cotton machines. the conical whirl is used so that by moving the band to different parts thereof the motion of the spindles is increased or diminished as occasion may require. and the whirl is made to slide on the axis of the cylinder so that it may be placed in a situation to prevent the main wheel casting its band. The main wheel may be turned by means of a crank or applied to a water wheel as occasion may require. On the end of the axis to the main wheel is fixed a faced cog wheel which gears or matches with another cog wheel

wheel fixed on a horizontal shaft & near the centre of
said shaft transmitting the machine. On each end of
the last mentioned shaft or axis is fixed another cog wheel
each of which on each side of the machine is acted with
another cog wheel near the respective end of a perpendicular
shaft or axis. On this last mentioned shaft or axis are
fixed three other cog wheels of different sizes or diameters.
each of which by gearing with other wheels on the end of
each set of feeding rollers gives motion to each of three
set of feeding rollers. The rollers by being firmly pressed
draw the roving from the roving spools which are perpendicu-
larly placed on a platform on the top of the machine
and conducts it to the flyers, & thence to the spools.
Each thread passes through three pair of fluted rollers
which by reason of the difference in size of the wheels on
the perpendicular shaft have different in the speed with which
they revolve. thereby drawing out the warp. On the first
mentioned horizontal transverse shaft or axis is fixed
an endless screw which meshes with a bottle wheel fixed
on a perpendicular shaft extending near to the bottom
of the machine or frame. On this last mentioned shaft is fix-
ed a bevel the rotation of which, acting on an arm in
which is inserted a friction pulley. raises and lowers.
by means of other wheels, the platform on which stand
the spools on the spindles thereby equally distributing
the yarn on the spools.

Witness
Eze Woodward
Elizabeth Woodward

Peter Pendleford

Drawing made

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