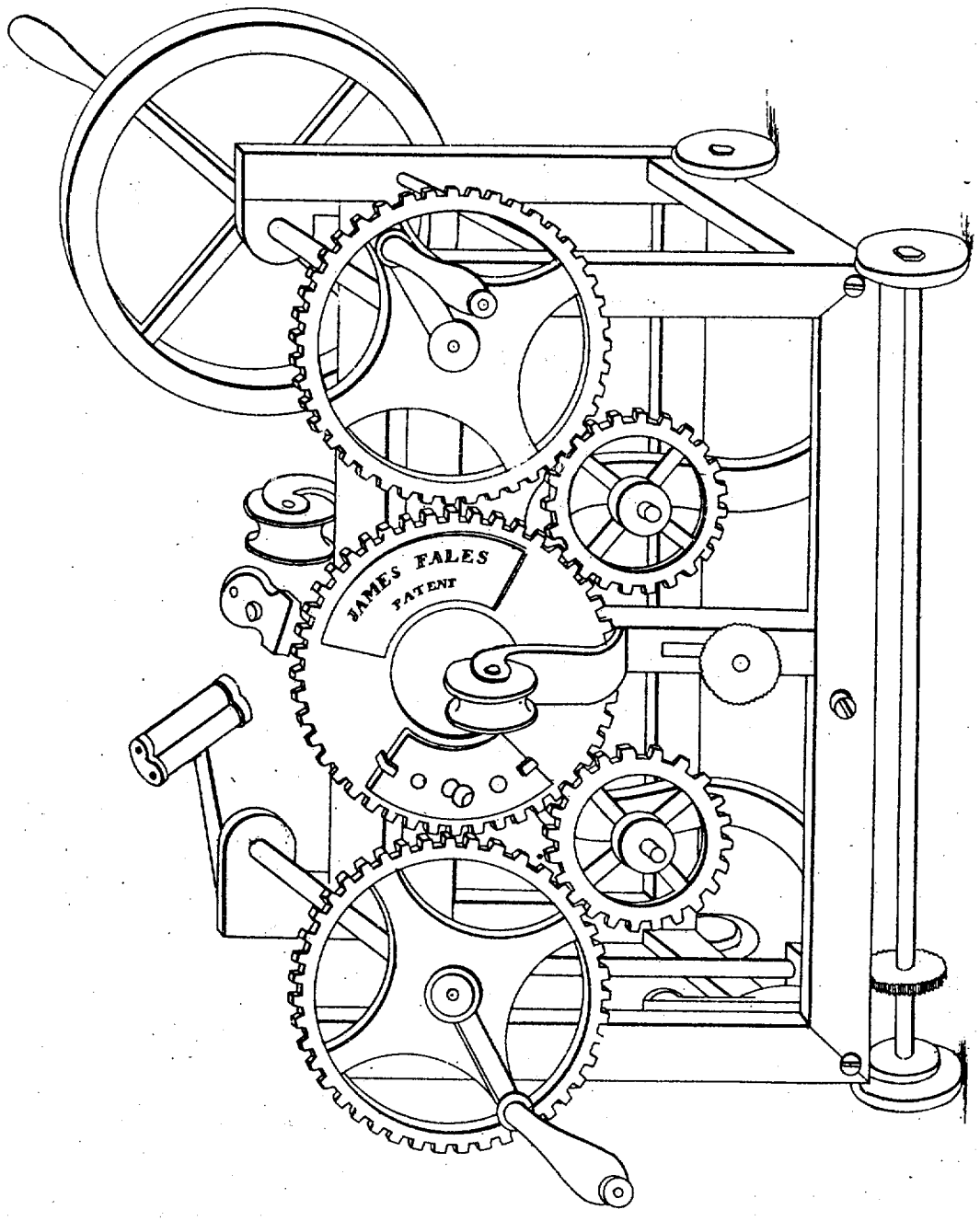
9044X

PATENTED AUG. 20, 1835.

J. FALES.

MACHINE FOR SERVING ROPE OR RIGGING.



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Aug. 20. 1835

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James Fales New Bedford Massachusetts

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 James Fales himself of his improvement in a machine for serving Ropes or Rigging.

To all persons to whom these presents shall come James Fales of New Bedford in the County of Bristol and commonwealth of Massachusetts Waldeman sendg Greeting — Be it known that I the said James Fales have invented constructed and applied to use a new and useful machine called a machine for serving Ropes and Rigging which is specified in the words following viz. Upon a horizontal frame or bandle of timber moving upon Rollers is erected a perpendicular frame to support the working part of the machine. At a convenient height from the floor a cog wheel with a hollow or tubular shaft or axle is attached to the aforesaid perpendicular frame. The wheel is made in two parts or pieces one of them being two thirds or three fourths of the whole circle so cast with the shaft or axle attached firmly to it. The remaining portion is moveable so that it may be taken out to admit the rope intended to be served into the hole or tube and again returned to its place. where it may be secured by means of screws gripes or any other simple contrivance. The tube should be of sufficient diameter to admit a rope of any size proposed to be served. Upon this shaft or axle and behind the frame is placed a reel containing thread upon which the serving yarn is to be wound and also a serving mallet. Between the reel and mallet may be placed screws or springs to operate upon the reel by friction or otherwise in such a way as to prevent its revolving faster than the yarn can be used upon the rope. The mode of operation of this machine is as follows. The wheel stretched taut in a horizontal position and securely fastened. The machine is brought where the rope can be passed through the tube in the wheel above described the yarn from the reel is then passed around the Rope and mallet in the usual manner and motion being

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given to the wheel either by a crank directly or pinion or otherwise by the intervention of another wheel and pinion the work is very accurately and expeditiously performed. And the said James Fales claims to be the inventor of the above described combination of machinery and its application to the purpose of Sewing Rope or Rigging. In testimony that the above is a true specification of my said machine as above described I have hereunto set my hand this twenty first day of March in the year of our Lord One thousand eight hundred and thirty five &c.

James Fales

Witnesses
Daniel Howland Jr
Ezra Bassett

(481 Feet)

Patented 20 August 1835

(Drawing)

Aug 20 1835