

(No Model.)

2 Sheets—Sheet 1.

R. P. BLOSS.

MACHINE FOR REMOVING THE BARK FROM LOGS.

No. 489,178.

Patented Jan. 3, 1893.

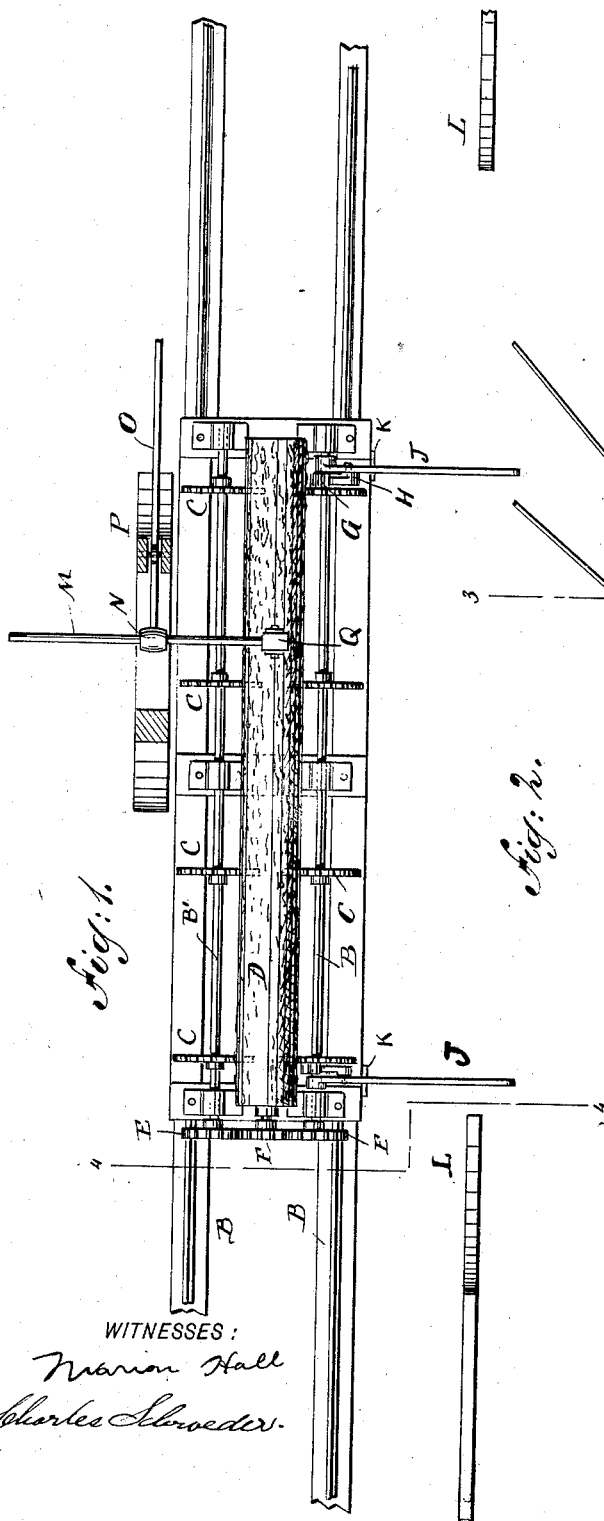
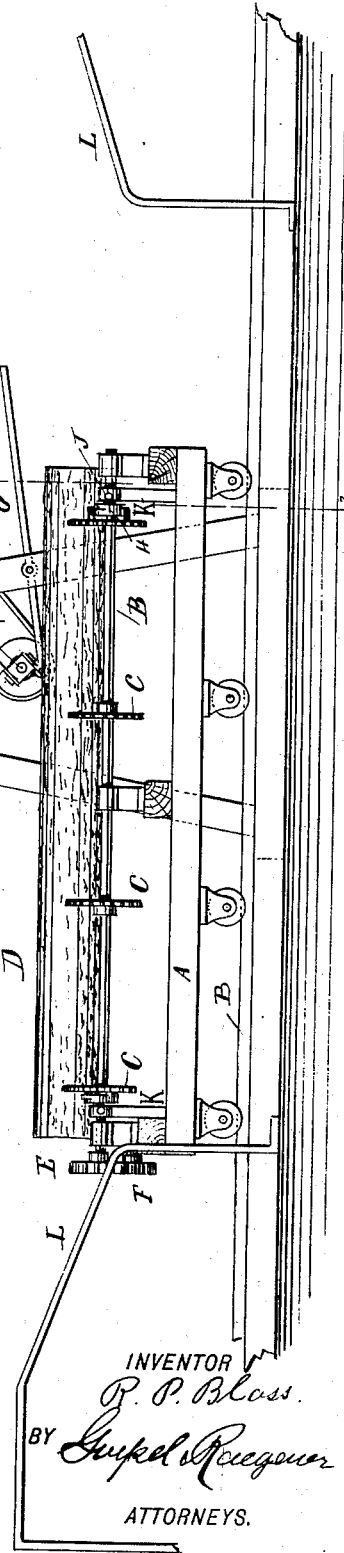


Fig. 2.



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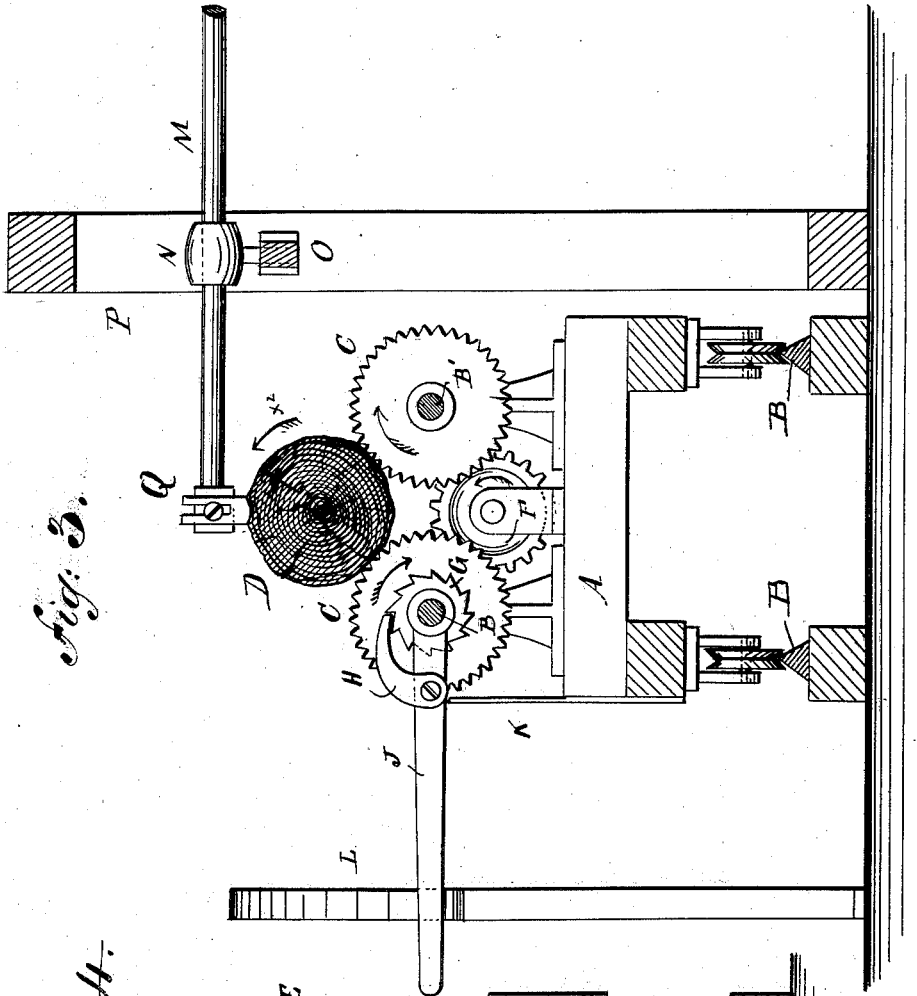
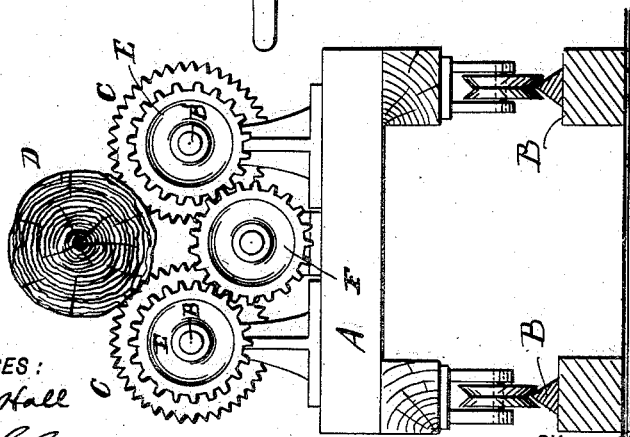


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD PARKHURST BLOSS, OF PALMER, NEW YORK.

MACHINE FOR REMOVING THE BARK FROM LOGS.

SPECIFICATION forming part of Letters Patent No. 489,178, dated January 3, 1893.

Application filed May 17, 1892. Serial No. 433,264. (No model.)

To all whom it may concern:

Be it known that I, RICHARD PARKHURST BLOSS, a citizen of the United States, and a resident of Palmer, in the county of Saratoga, State of New York, have invented certain new and useful Improvements in Machines for Removing the Bark from Logs, of which the following is a specification.

The object of my invention is to provide a new and improved machine for removing the bark from trees, logs, &c., which machine is simple in construction, operates rapidly and can easily be adjusted for trees of different diameters.

The invention consists in the combination, with a carriage, of means for supporting and automatically rotating a log, and a vertically-adjustable rotating shaft extending over the carriage and having a cutter-head on its end.

The invention also consists in the construction of parts and combination of details, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan-view of my improved machine for removing the bark from logs, Fig. 2 is a side-view of the same, parts being in section, Fig. 3 is an enlarged detail cross-sectional view of the same on line 3 3, Fig. 2. Fig. 4 is an end-view of the carriage.

Similar letters of reference indicate corresponding parts.

The carriage A is mounted on the tracks B, and on suitable bearings on said carriage two longitudinal shafts B B' are mounted, each carrying a series of tooth-wheels C C that serve for turning the logs D resting on said wheels parallel with the shafts B B'. Said shafts are each provided at one end with a cog-wheel E, said cog-wheel E E engaging a third wheel F between them, so that by turning one shaft by means of suitable appliances, both are rotated in the same direction. The shaft B is provided on each end with a ratchet-wheel G engaged by a pawl H that is pivoted to a lever J mounted loosely on the shaft B and normally resting on the support K of the carriage. Parallel with the rails and separated from each other a distance slightly greater than the length of the carriage are arranged two inclined tripping-devices L, so that when the carriage reciprocates, the levers J strike the tops of said inclined tripping-devices and are thereby swung upward and ro-

tate the cog-wheels, as indicated by the arrows in Fig. 3, whereby the trunk is rotated in the direction of the arrow X², Fig. 3, a greater or less distance at the end of each stroke of the carriage. The shaft M is mounted in a bearing N attached to one end of the lever O pivoted in a standard P, but said bearing can be adjusted vertically or in any other suitable manner. On the end of the shaft M a suitable cutter-head Q is fixed. By means of a belt, pulley or any other suitable device the shaft M is rotated very rapidly. When the log or trunk is in position on the carriage, the shaft M is lowered, so that the cutter-head Q can cut into the trunk sufficiently to take away the bark, the depth to which the cutters enter being governed by the position of the lever O, which an operator raises or lowers, as may be necessary. As the tree or log is rotated automatically on its longitudinal axis while on the carriage, the bark can be removed from the same very rapidly and in an effective manner.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. The combination, with a reciprocating carriage for supporting a log or trunk, of toothed wheels on which said trunk rests for rotating the trunk, shafts supporting said toothed wheels, means for automatically rotating the toothed wheels at the ends of the strokes of the carriage, and a vertically-adjustable shaft extending over the carriage and provided on its end with a cutter-head, substantially as set forth.

2. The combination, with a reciprocating carriage, of shafts for supporting and rotating a tree trunk on the same, toothed wheels on said shafts, ratchet-wheels on the end of one shaft, swinging-levers provided with pawls engaging ratchet-wheels, inclined tripping-devices for operating the swinging pawl-levers, and a vertically-adjustable shaft extending over the carriage, and a cutter-head on the end of said shaft, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

RICHARD PARKHURST BLOSS.

Witnesses:

A. L. PARMENTER,
WARREN CURTIS.