

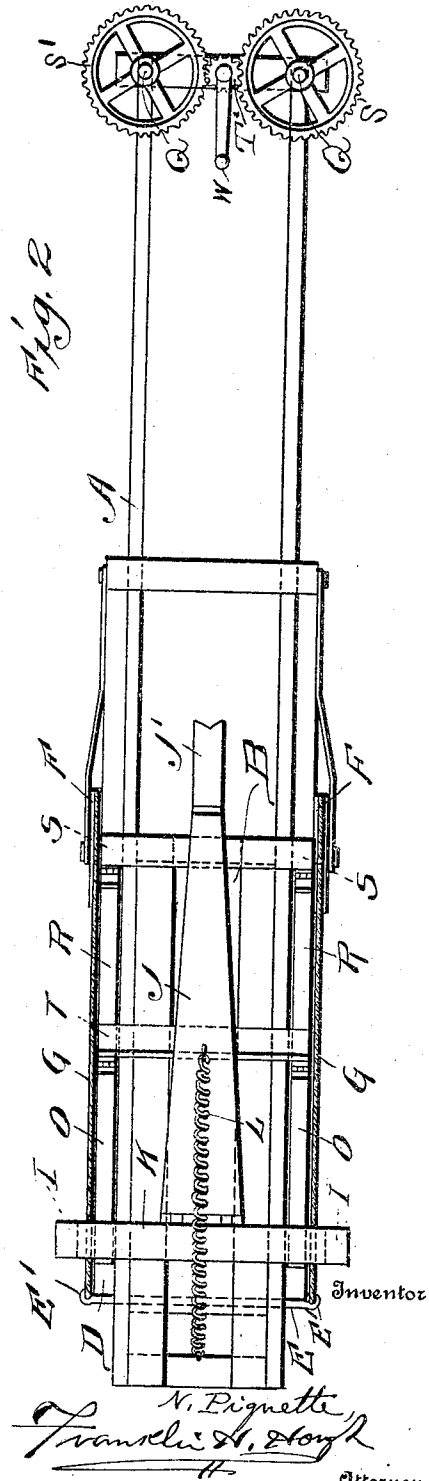
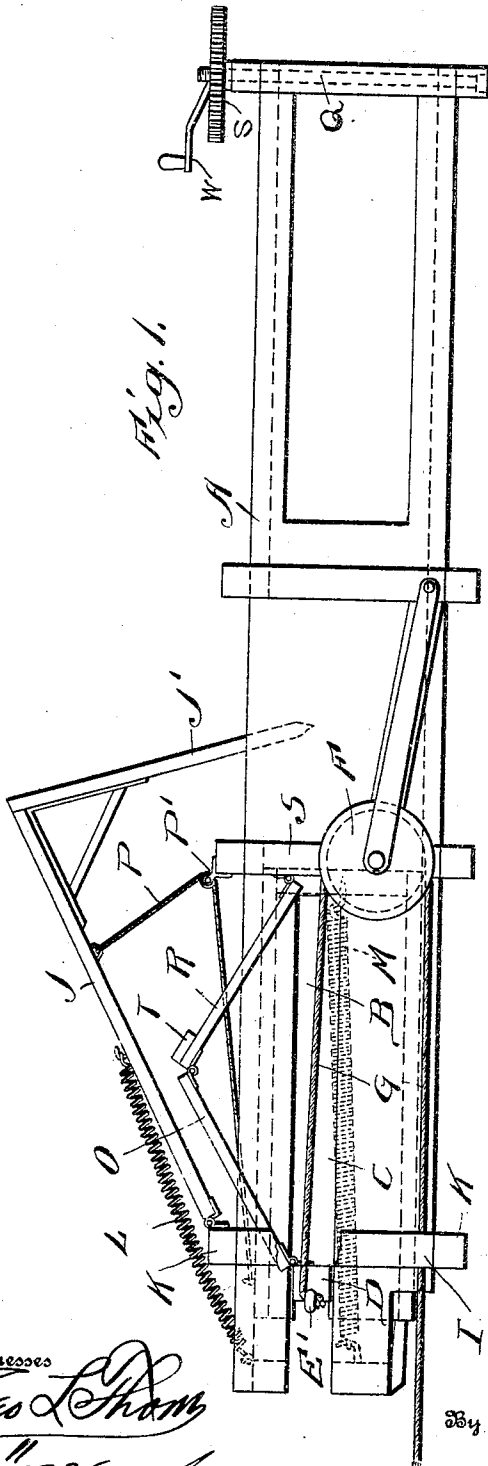
N. PIQUETTE.
HAY PRESS.

APPLICATION FILED JUNE 15, 1909.

938,701.

Patented Nov. 2, 1909.

2 SHEETS—SHEET 1.



Witnesses
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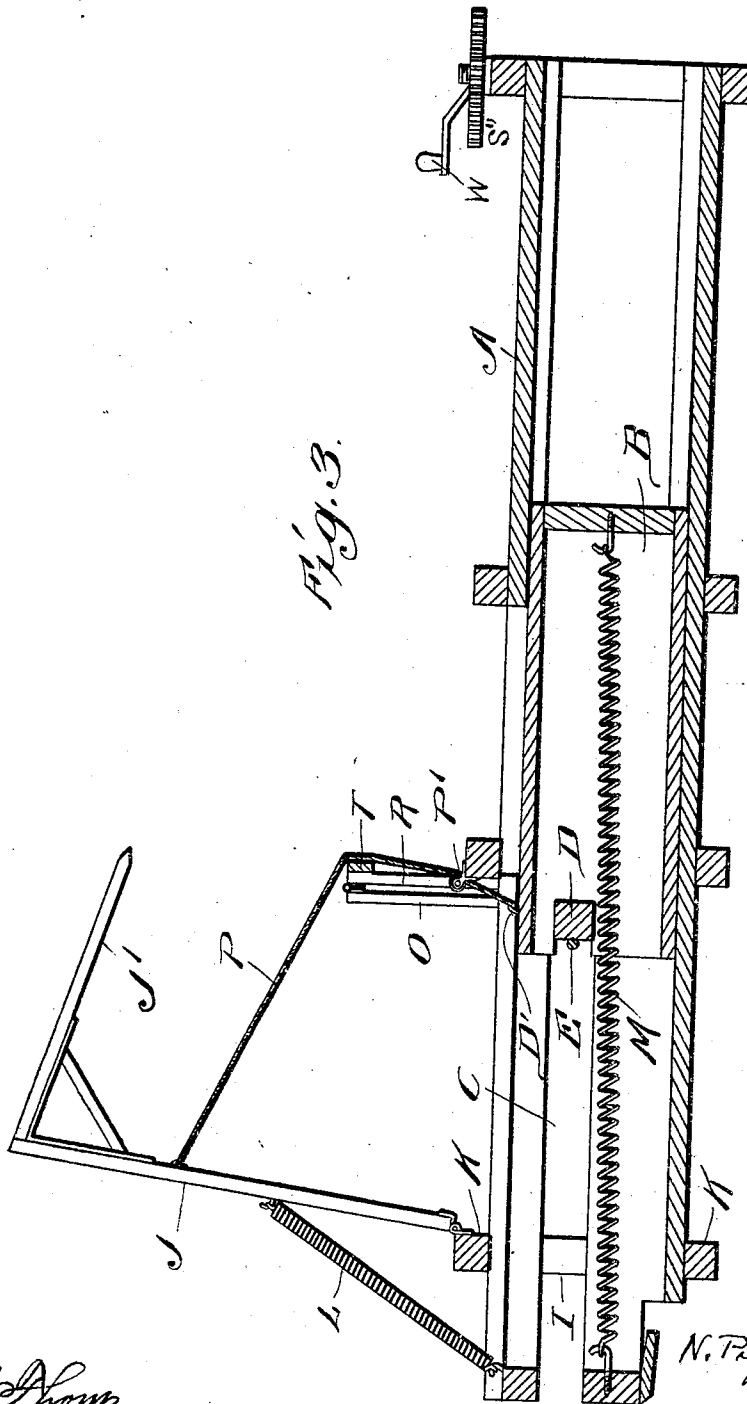


Fig. 3.

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UNITED STATES PATENT OFFICE.

NAPOLEON PIQUETTE, OF CHASSELL, MICHIGAN.

HAY-PRESS.

938,701.

Specification of Letters Patent.

Patented Nov. 2, 1909.

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To all whom it may concern:

Be it known that I, NAPOLEON PIQUETTE, a citizen of the United States, residing at Chassell, in the county of Houghton and State of Michigan, have invented certain new and useful Improvements in Hay-Presses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in presses and comprises various details of construction, combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

The present invention comprises essentially a press designed for use in connection with a sweep apparatus which forms the subject matter of a co-pending application Serial No. 485,434.

My invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of the press. Fig. 2 is a top plan view, and Fig. 3 is a sectional view longitudinally.

Reference now being had to the details of the drawings by letter, A designates the press box and B a plunger mounted therein, made preferably of a size to substantially fill the press box and adapted to have a longitudinal movement therein. Fastened to the rear end of said plunger is a bar D to which a rod E is fastened having eyes E' at its ends. The ends of said bar project through the slot C formed in the extension walls of the box.

F, F designate grooved wheels which are journaled one upon each side of the box and G is a cord, the ends of which are fastened to the eyes upon said rod and said rope passes about the grooved wheels F and to the longitudinal center of said rope not shown a sweep rope is adapted to be fastened. Said rope G is adapted to be held from moving sidewise by means of the upright pieces I which are fastened to the ends of the cross-pieces K, one of the latter being fastened to the top of the press box and the other beneath and forming a support for one thereof. Hinged to the ends of the bar D are the toggle links O which are connect-

ed to the toggle links R hinged to the upright bars S, and T designates a weighted bar which is fastened to the toggle links R and assisting in throwing the same down to horizontal positions. Hinged to the cross-piece K is a bar J, one end of which has fastened thereto a feeder J' which has an up and down movement as the bar J swings upon its hinge. A spring, designated by letter L, is fastened to one end of said bar J and its other end to a portion of the box. Fastened to said bar J is a rope P passing over a pulley P' and thence extending horizontally and fastened to an eye D' upon the plunger and serves to draw the feeder J down into the press box as the plunger is drawn back to its farthest outer limit. A spring L is fastened to said plunger and serves to normally raise the bar J and the feeder as the plunger is moved forward, one end of said spring being fastened to the rear end of the box. A spring M is fastened to the plunger and its other end fastened to a stationary part of the box and serves to normally throw the plunger back to its outer position after the power is released from the rope which drives the plunger forward.

The opposite sides of the baling press are adapted to move toward or away from each other through the medium of the threaded rods Q which pass through the opposite sides near the exit end and are adapted to be adjusted to conform to the different size of bales. Gear wheels S' have threaded openings mounted on the threaded portions of the rods and a third gear wheel, designated by letter T', is journaled upon a suitable spindle upon the opposite side of the press and intermediate the gear wheels Q with which it meshes, thereby affording means whereby, as the wheel T' is rotated in one direction or another, said threaded shafts are adapted to be moved in the same direction, a suitable handle W being fixed to the spindle upon which the wheel T' is mounted. As the wheels Q are rotated, the sides of the baling press may be moved toward or away from each other.

From the foregoing, it will be noted that, by the provision of a press embodying the features shown and described, a simple and efficient apparatus is afforded whereby, by a pull upon the rope which is adapted to be connected to the sweep, not shown, the plunger may be driven forward to press the

hay, the toggle links swinging toward each other upon the forward movement of the plunger and, after the pull is released upon the rope, the spring fastened to the plunger and also the weight upon the toggle links R will serve to return the parts to their normal positions.

What I claim to be new is:—

1. A hay press comprising a press box, a spring-actuated plunger mounted therein, grooved pulleys journaled upon the opposite sides of the box, a rope connected at its ends to the plunger passing about said pulleys, affording means for moving the plunger forward, toggle links pivotally hinged to the plunger, a second set of toggle links hinged to the press box and pivotally connected to the toggle links upon the plunger, and weighted means acting upon said toggle links.

2. A hay press comprising a press box, a spring-actuated plunger mounted therein, grooved pulleys journaled upon the opposite sides of the box, a rope connected at its ends to the plunger passing about said pulleys, affording means for moving the plunger forward, toggle links pivotally hinged to the plunger, a second set of toggle links hinged to the press box and pivotally connected to the toggle links upon the plunger, weighted means acting upon said toggle links, and a feeder actuated by the plunger.

3. A hay press comprising a press box, a spring-actuated plunger mounted therein, grooved pulleys journaled upon the opposite sides of the box, a rope connected at its ends to the plunger passing about said pulleys,

affording means for moving the plunger forward, toggle links pivotally hinged to the plunger, a second set of toggle links hinged to the press box and pivotally connected to the toggle links upon the plunger, weighted means acting upon said toggle links, a bar hinged to the box and having a feeder fastened at one end thereof, a spring normally holding said bar in a raised position, and means connecting said bar with the plunger for drawing the feeder down as the plunger is withdrawn.

4. A hay press comprising a press box, a spring-actuated plunger mounted therein, grooved pulleys journaled upon the opposite sides of the box, a rope connected at its ends to the plunger passing about said pulleys, affording means for moving the plunger forward, toggle links pivotally hinged to the plunger, a second set of toggle links hinged to the press box and pivotally connected to the toggle links upon the plunger, weighted means acting upon said toggle links, a bar hinged to the box and having a feeder fastened at one end thereof, a spring normally holding said bar in a raised position, a rope fastened to said bar, a pulley upon the press box under which said rope passes, the other end of the latter fastened to the outer end of the plunger.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

NAPOLEON PIQUETTE.

Witnesses:

FRANK ST. AMOUR,
EMILE PIGEON.