

982,891.

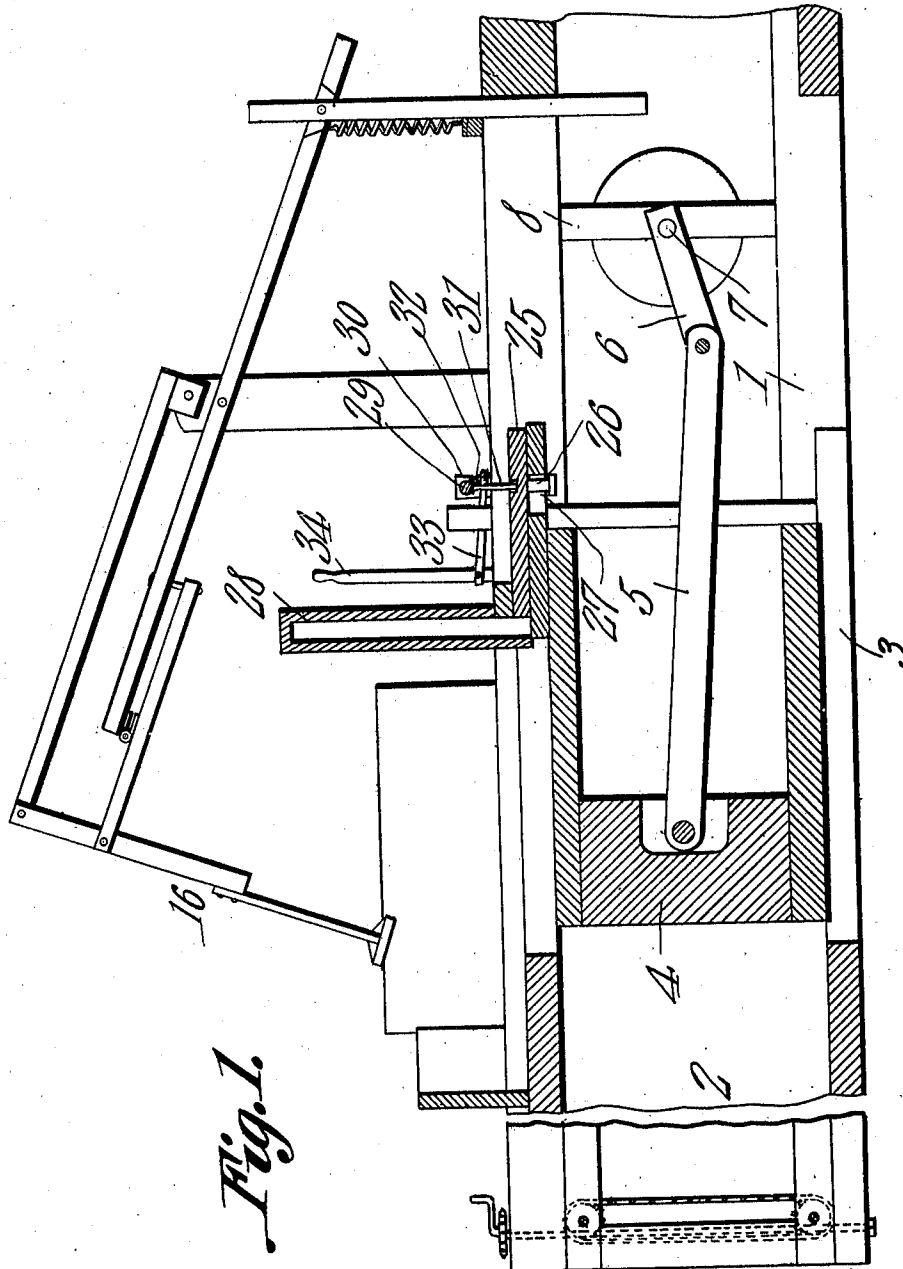


Fig. 1.

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E. J. Bishop
R. S. Bishop

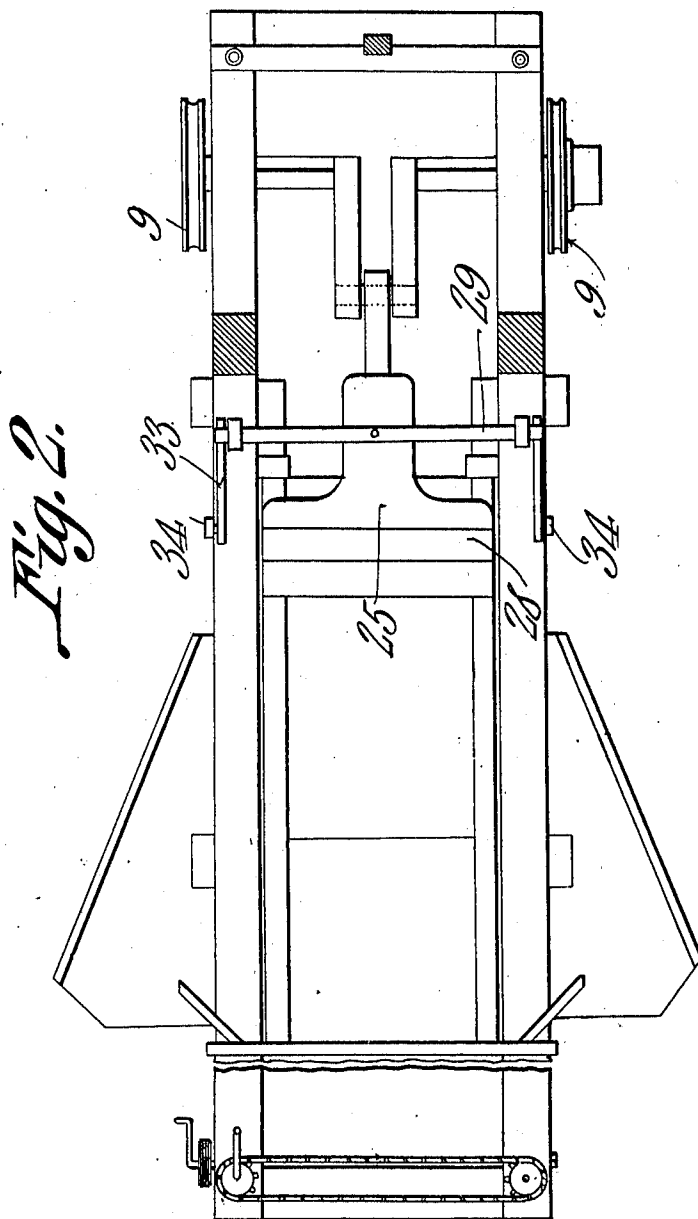
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BALING PRESS.
APPLICATION FILED FEB. 23, 1910.

Patented Jan. 31, 1911.

2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

ALBERT R. STAHL, OF SOMERSET, PENNSYLVANIA.

BALING-PRESS.

982,891.

Specification of Letters Patent.

Patented Jan. 31, 1911.

Application filed February 23, 1910. Serial No. 545,479.

To all whom it may concern:

Be it known that I, ALBERT R. STAHL, a citizen of the United States, residing at Somerset, in the county of Somerset and State of Pennsylvania, have invented a new and useful Baling-Press, of which the following is a specification.

This invention relates to improvements in baling presses and consists in certain novel features which are hereinafter first fully described and subsequently pointed out in the claim.

In the accompanying drawings,—Figure 1 is a longitudinal vertical section of a baling press embodying my invention. Fig. 2 is a plan view of the same with the tamper removed.

The frame of the press may be of any desired construction and comprises longitudinal beams 1 at the rear ends of which is formed a baling chamber 2, as will be readily understood. At the inner sides of the beams 1 are longitudinal guides 3 upon which a plunger 4 is mounted and the said plunger is connected by a pitman 5 with a crank arm 6 on a driving shaft 7 which is mounted in suitable standards 8 secured to the beams or sills 1 and provided at its ends with band pulleys 9 by means of which motion may be imparted to the driving shaft from any convenient or preferred form of prime motor. It will be seen that by means of this plunger material may be compressed in bales in the usual manner. Any suitable feeding means may be used in connection with the plunger mechanism, a tamping device having been shown generally at 16.

In order that blocks may be fed to the press as soon as the material within said press has been properly compressed, a slide 25 is mounted on the top of the press, this slide having a guide pin 26 extending downward from it and movably mounted within a longitudinal slot 27 formed in the top of the press. A holder 28 extends upwardly from the front end of the slide 25 and is open at the bottom and at its sides, the space within this holder being sufficient to receive a single block such as used for spacing apart the bales within the press. A shaft 29 is journaled in brackets 30 extending upward from the sides of the press and this shaft has an arm 31 extending downward from it and engaging the slide 25,

so that, when the shaft is rocked back and forth, a sliding movement of the element 25 is produced back and forth upon the top of the press. Another arm 32 is preferably extended from the shaft 29 and is engaged by a pitman 33 which is pivotally attached to, and adapted to be actuated by a lever 34. One of these levers may be located at each side of the press, each of them being connected to the shaft 29 in the same manner.

It is to be understood that when the slide 25 is in normal position, the bottom of the holder 28 is closed by the top of the press. A block can therefore be placed within the holder and will be supported by the top of the press. After the material within the press has been compressed to a desired extent by the plunger, and as soon as said plunger has been retracted from under the feed opening, the slide 25 can be pushed forward by manipulating either of the levers 34 and this will cause the holder 28 to move over the feed opening. The block will therefore promptly drop from the holder and into the path of the plunger and upon the return stroke of said plunger the block will be forced against the compressed material. After the holder has been brought back to its initial position another block can be placed within it. The device is then ready to be used again in the same manner.

Having thus described my invention, what I claim is:

In a baling press the combination with a baling chamber having an inlet, said chamber having a longitudinally slotted top, of a slide upon the top, a projection upon the slide and movably mounted within the slot, a holder upon one end of the slide and open at its bottom and side, the top of the chamber normally closing the bottom of the holder, a rock shaft, an arm extending therefrom and movably engaging the slide, an actuating lever, and means operated by the lever for rocking the shaft to shift the slide and project the holder beyond the end of the top of the chamber.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALBERT R. STAHL.

Witnesses:

R. M. YOUNG,
GEO. A. DARR.