

A. H. & L. C. O'QUINN.
HAY PRESS.

APPLICATION FILED AUG. 12, 1909.

952,347.

Patented Mar. 15, 1910.

2 SHEETS—SHEET 1.

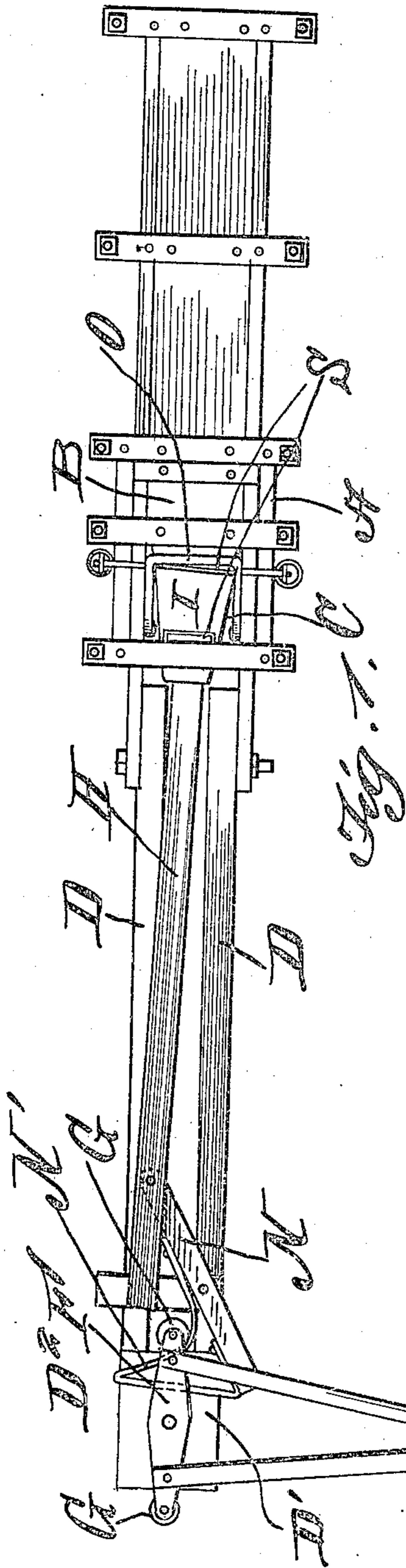
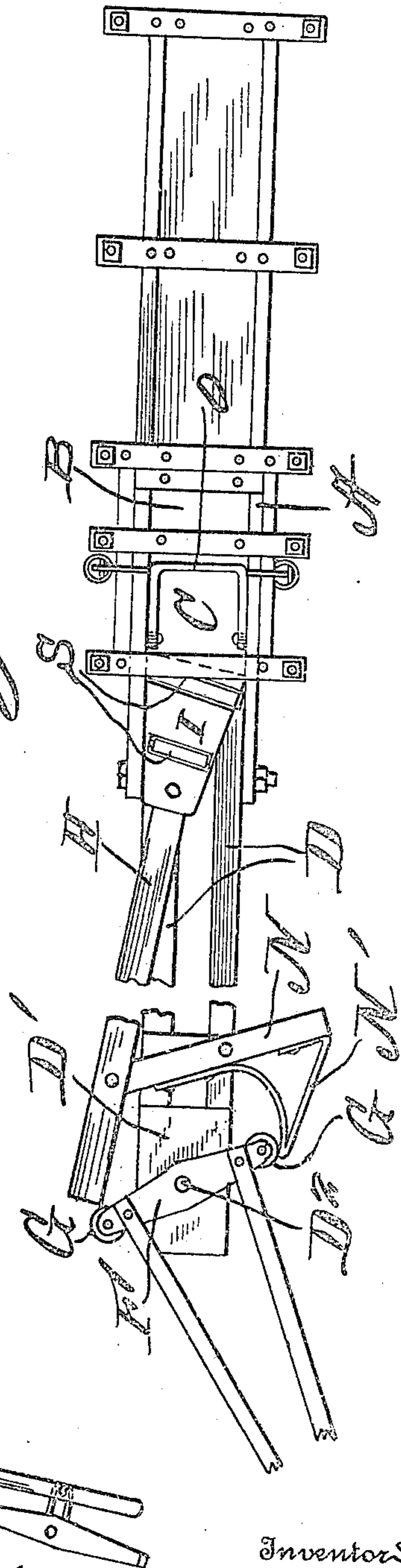


Fig. 2.



Witnesses

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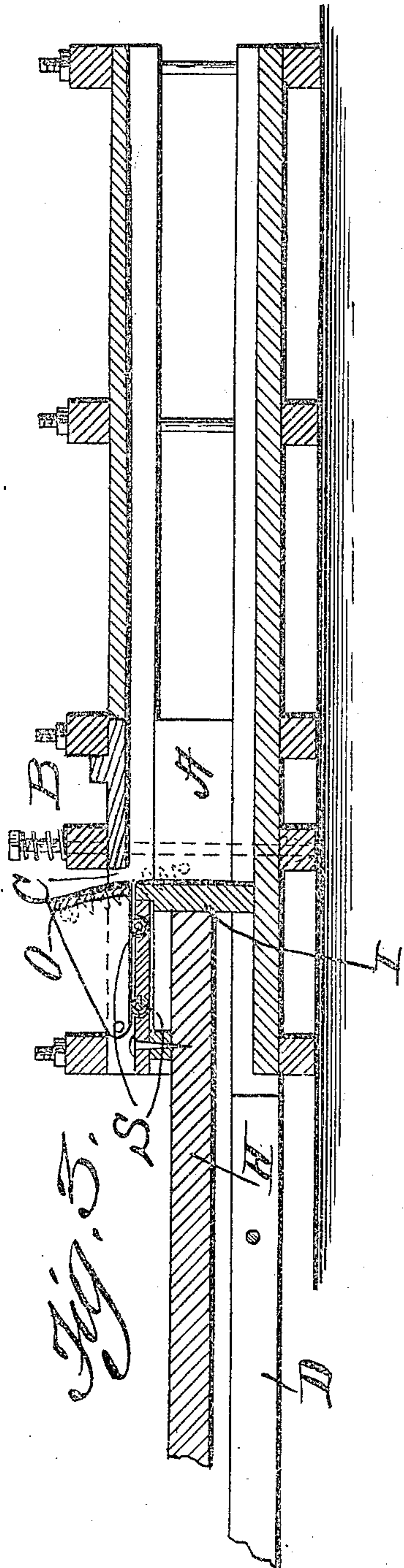
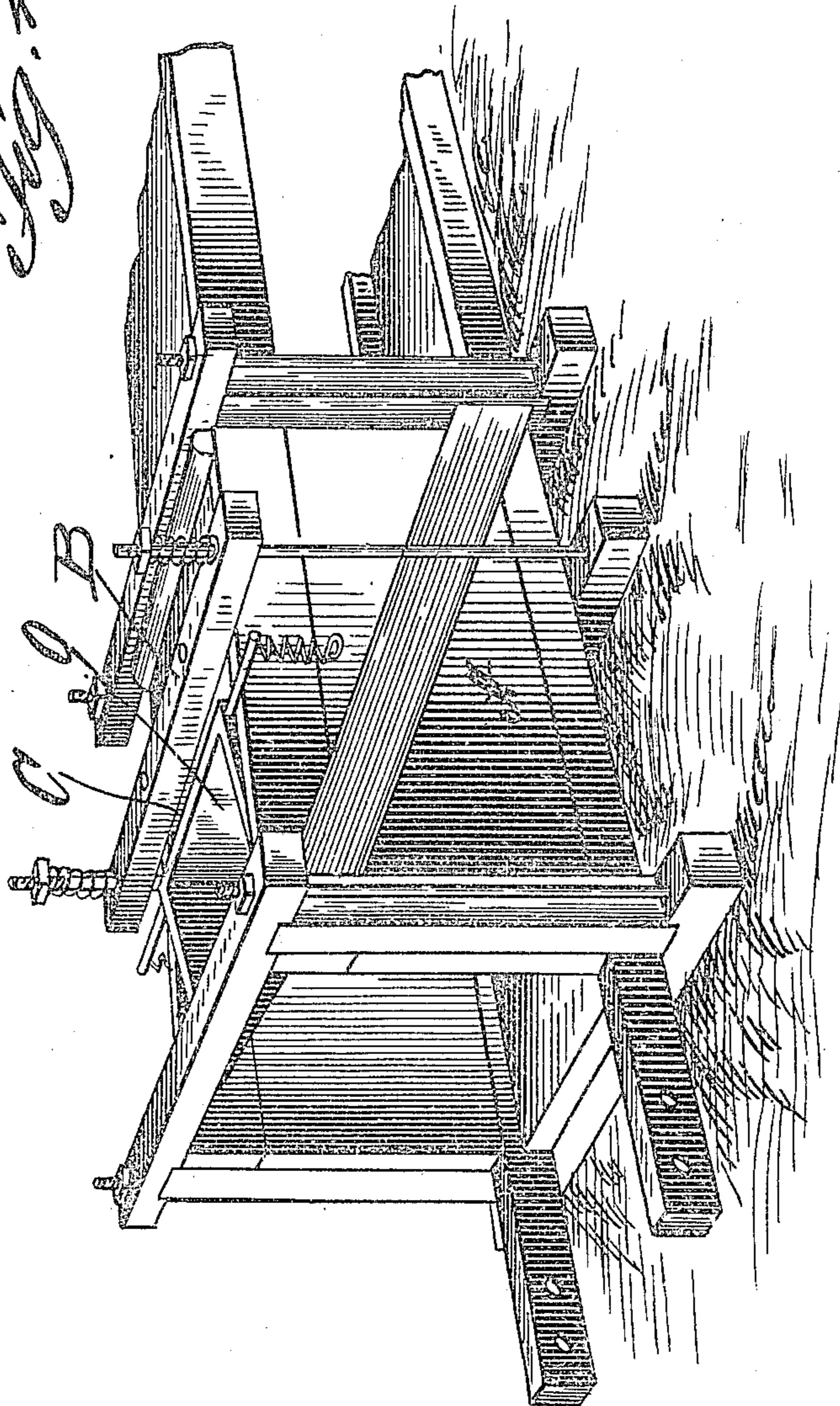


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

ALEXANDER H. O'QUINN AND LEONARD C. O'QUINN, OF JESUP, GEORGIA.

HAY-PRESS.

952,347.

Specification of Letters Patent.

Patented Mar. 15, 1910.

Application filed August 12, 1909. Serial No. 512,559.

To all whom it may concern:

Be it known that we, ALEXANDER H. O'QUINN and LEONARD C. O'QUINN, citizens of the United States, residing at Jesup, in the county of Wayne and State of Georgia, have invented certain new and useful Improvements in Hay-Presses; and we 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 and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in hay 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 claim.

We illustrate our invention in the accompanying drawings, in which:—

Figure 1 is a top plan view of our improved hay press showing the sweep and manner of causing the plunger to move forward and backward by one revolution of the sweep. Fig. 2 is a top plan view of the plunger and means for operating the same. Fig. 3 is a longitudinal sectional view through the press box and plunger. Fig. 4 is an enlarged detail perspective view of the portion of the press box and tucker.

Reference now being had to the details of the drawings by letter, A designates a press box, of the usual construction, provided with a spring top B covering a portion of the same and an opening C through which the material to be baled is placed. Fastened to the frame of the press box are the beams D which in turn are secured to the block D' from which rises a pivot pin D² upon which the sweep F is pivotally mounted. The cross-piece of the sweep has anti-friction rollers G journaled at opposite ends, and H designates a plunger beam having a plunger head I movable within the press box. Said beam H is pivotally connected to a pivoted beam N which has a curved track N' fastened thereto and suitably braced. It will be noted that the pivotal point of connection between the plunger beam and the beam N is a slight distance from the free end of the beam H and that,

when the sweep rotates upon its pivot, the anti-friction rollers at one end of the cross-piece of the sweep will contact with the projecting end of the beam and drive the same forward and, when the other anti-friction rollers at the opposite ends of the cross-piece and the end of the sweep come in contact with said curved track, the plunger B will be retracted or moved in the opposite direction. It will be noted that each complete revolution of the sweep will cause the plunger beam to be driven forward to its farthest limit and returned to its starting position. Mounted upon the press box is a tucker member, consisting of an angled plate O, the arms of which are pivotally mounted at the opposite sides of the press box, the under sides of said arms being inclined. S designates anti-friction rollers journaled against said plunger and against which the under face of the tucker is adapted to contact as the latter is moved within the press box. Pins project in opposite directions from said tucker and springs are fastened to said pins and their other ends to projections upon the press box, said springs serving to normally throw the tucker down to hold the hay after the plunger is retracted from the press.

What we claim to be new is:—

In combination with a hay press box having an opening in the top thereof, a spring-pressed angular tucker member pivotally mounted therein, a plunger provided with a stem and movable within said box, anti-friction rollers upon the upper face of said plunger and adapted to move against said tucker member, a pivotal sweep having a crosspiece at its inner end, anti-friction rollers journaled at the ends of said cross-piece, a pivotal lever connected to said stem of said plunger, a curved bar fastened to one edge of said lever, one end of said bar being bent at an angle to the bar and fastened thereto and serving as a brace.

In testimony whereof we hereunto affix our signatures in the presence of two witnesses.

ALEXANDER H. O'QUINN.
LEONARD C. O'QUINN.

Witnesses:

K. W. GANN,
T. L. STEWART.