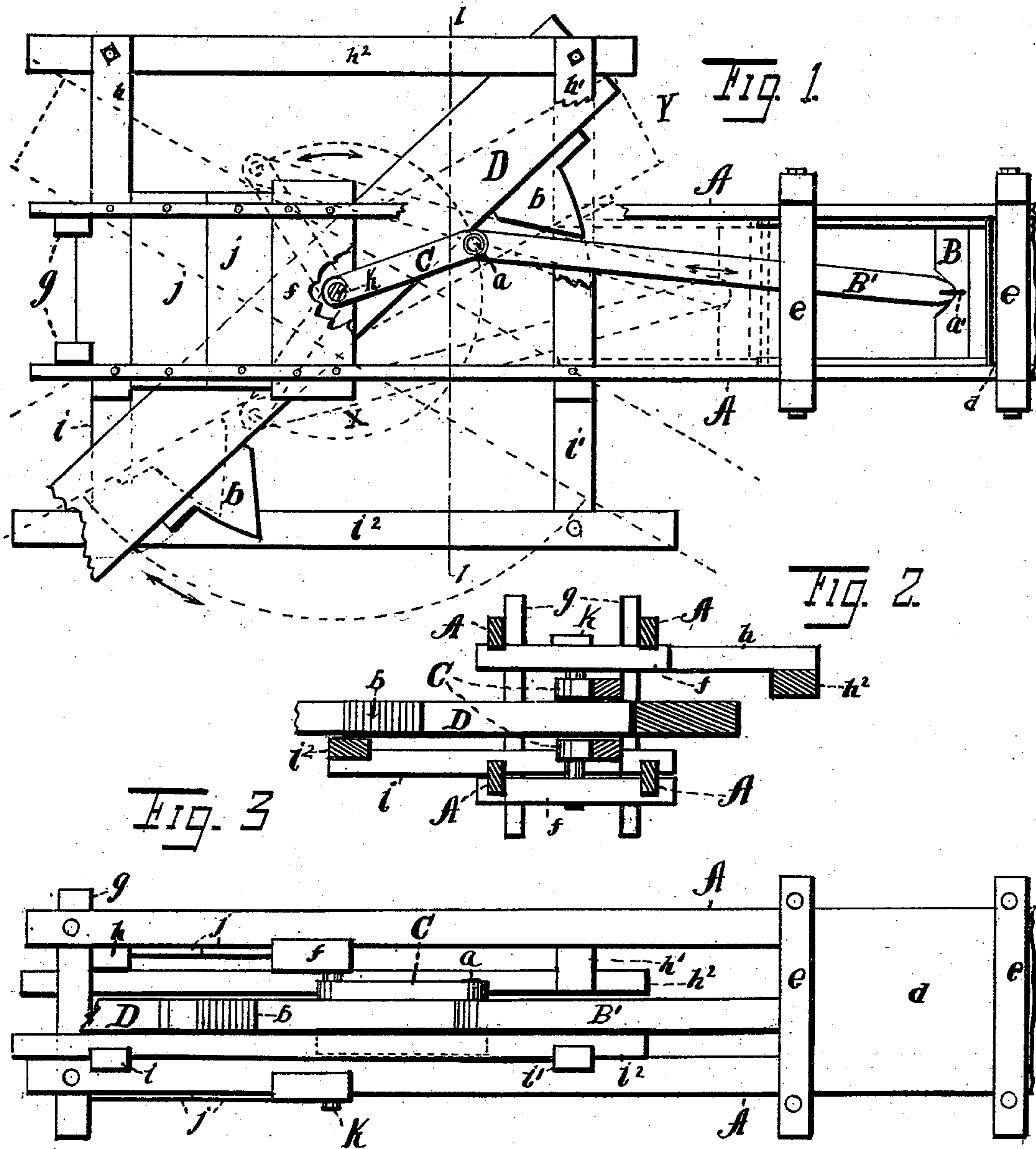


(No Model.)

G. SCHUBERT.
BALING PRESS.

No. 504,481.

Patented Sept. 5, 1893.



Witnesses

J. F. Noble
T. C. Poole

Inventor

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UNITED STATES PATENT OFFICE.

GEORGE SCHUBERT, OF WALNUT, TEXAS.

BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 504,481, dated September 5, 1893.

Application filed October 17, 1892. Serial No. 449,139. (No model.)

To all whom it may concern:

Be it known that I, GEORGE SCHUBERT, a citizen of the United States, residing at Walnut, in the county of Bosque and State of Texas, have invented certain new and useful Improvements in Baling-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, forming part of this specification, and in which drawings—

Figure 1 is a top plan view of a baling press provided with my invention. Fig. 2 is a cross sectional view on line 1—1 of Fig. 1; and Fig. 3 is a side view of Fig. 1.

This invention relates to improvements in what is known as a quarter circular press, having a rebounding plunger; and my improvements are in the arrangements and securing of the plates to receive the king-bolt; and braces to guide and support the lever; and, the links linking the plunger-bar direct to the king-bolt, and suitable tripping mechanism, as hereinafter described and claimed.

Referring to the drawings, A, A, A, A, designate the side bars of the press secured in position by the cross frames e, e.

B indicates the plunger, and B' the plunger-bar.

C, C, are links pivoted with one end to the plunger-bar B' by a pin a, and with their other end to the king-bolt k; the other end of the plunger-bar B' is pivoted to the plunger B by a staple a'. The ends of the four side-bars A are connected by the two vertical bars g, and the bars h and i. The latter bars are placed adjacent the bars g.

h' and i' are two cross-bars located a short distance from the feeding chamber d. Said bars h' and i' are of proper width to form a guide for the plunger-bar B'. The upper two cross bars h and h' extend out toward the rear end of the operating lever D, and are provided with a guide bar h² to prevent the raising of the rear end of said lever D, and the bars i and i' are extended to the opposite side of the frame and provided with a guide-

bar i² to support the said lever D. Near the center of the bars i and i', h and h' are secured the king-bolt plates f, f. The space between the plates f, f, and the bars h and i is filled in to additionally secure the plates f, f.

D designates the main operating lever pivoted on the king-bolt k.

b, b, are projections secured to the front side of the lever D an equal distance from the king-bolt k, and a proper distance apart to properly impinge on the plunger-bar B' to move said plunger-bar B' past the center of pressure.

The operation may be summarized as follows: The lever D is operated by a horse or other suitable power, and moved to the position as shown in dotted lines Y when the plunger-bar B' will be moved past the center of pressure and assume the position as seen in dotted lines marked X in Fig. 1. At this time the lever D is moved to its opposite position, when the plunger-bar B' will move to the opposite side. The guides h² and i² prevent the lever D from pressing the links C, against the plates f, f.

I do not claim broadly the art of linking the plunger bar to the king bolt of the press; but,

What I claim is—

1. In a baling press as described having the plates f, f, cross bars h, h', and i, i', guides i² and h² on said named cross bars, in combination with a lever D plunger-bar and links as and for the purpose described.

2. The combination of a baling press having the frame pieces A extended, the king-bolt plates secured thereto, the ends of the frame pieces A connected by the bars g, and cross bars h and i, and the space between the plates f, f, and the bars i and h filled in with suitable material as and for the purpose described.

In testimony whereof I have affixed my signature in presence of two witnesses.

GEORGE SCHUBERT.

Witnesses:

J. F. WOMBLE,
T. C. POOLE.