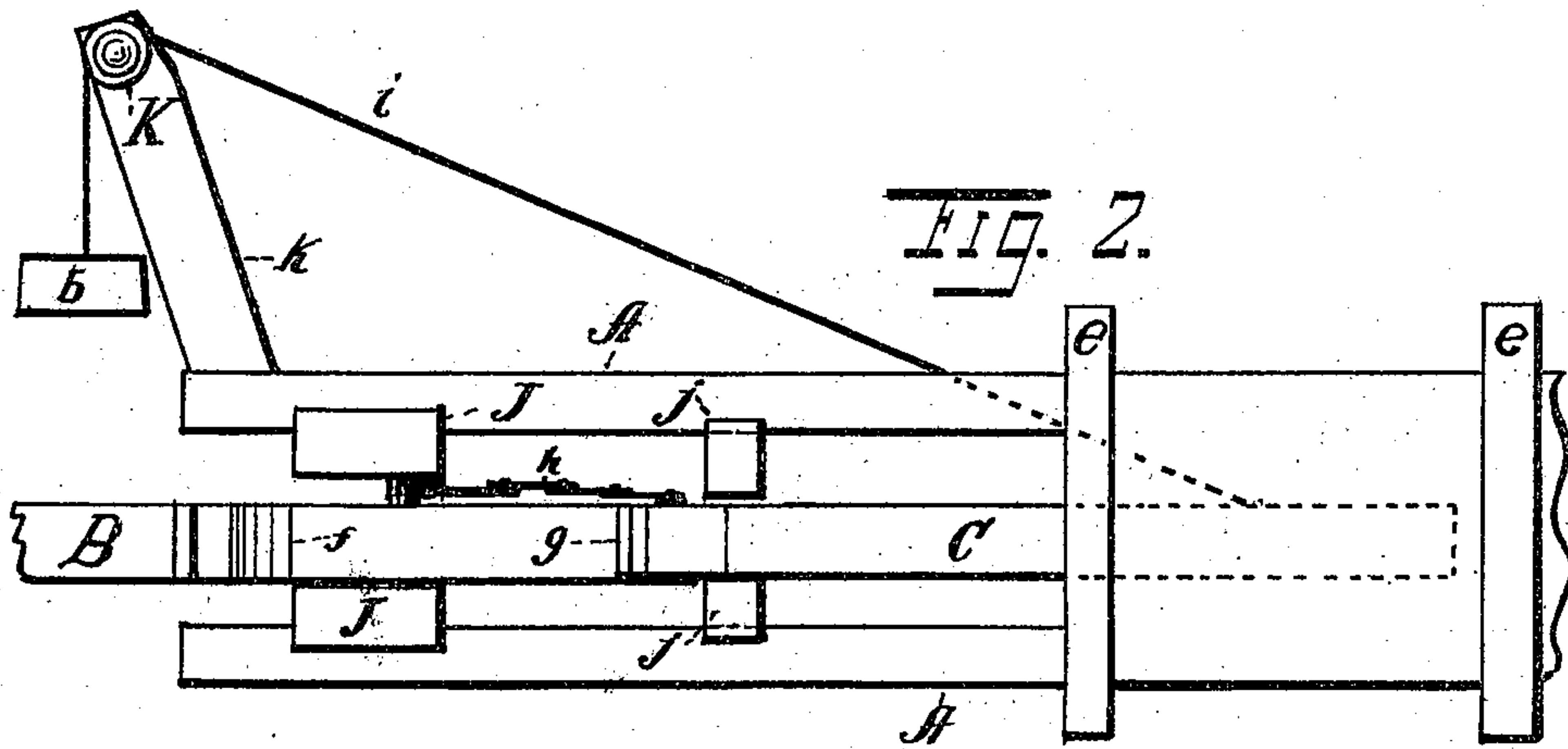
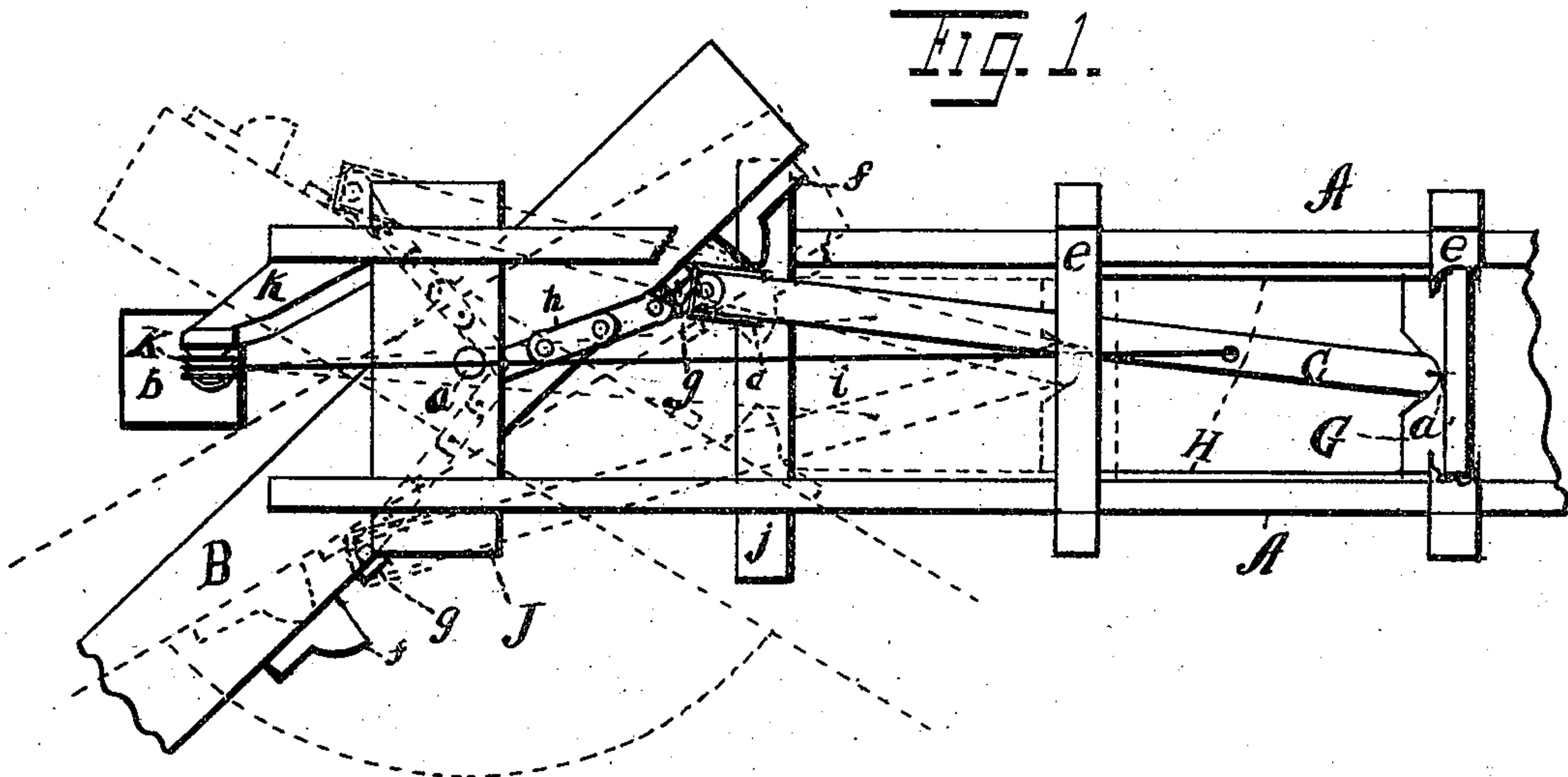


(No Model.)

G. SCHUBERT.
BALING PRESS.

No. 502,833.

Patented Aug. 8, 1893.



Witnesses:

Geo Downey
Att. Gen.

Inventor.

George Schubert.

UNITED STATES PATENT OFFICE.

GEORGE SCHUBERT, OF WALNUT, TEXAS.

BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 502,833, dated August 8, 1893.

Application filed November 14, 1892. Serial No. 451,902. (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, in which—

Figure 1 is a plan view of a baling press, and Fig. 2 is a side elevation of same.

This invention relates to improvements in baling presses, of a kind known as a quarter circular press; and the objects of my improvements are, to form a catching and tripping mechanism simple in construction and low of production: and second, to retain the plunger-bar within its proper limits to again come in proper position on the other catch or set-block after being tripped, independent of any vertical or horizontal guides as hereinafter fully described.

Referring to the drawings: A, A, are the frame-bands, secured in position by the cross-frames *e, e*. The bars A, A, are extended, to receive near their ends the bolster plates J, J, and to receive the usual king-bolt *a*. On said king-bolt *a* is pivoted the operating lever B.

C designates the plunger-bar, and G is the plunger.

H are guides secured to the plunger G. The plunger-bar C is pivotally secured to the plunger G by a suitable staple *a'*. The opposite end of the plunger-bar C is preferably finished with a square iron *d*.

h designates a bar constructed of links pivoted to each other as shown. Said bar is pivoted with one end to the front edge of the upper bolster plate J, and with its other end to the end of the plunger-bar C to hold the free end of the plunger bar C within the proper limits to come in the proper position with the catch blocks hereinafter described.

g, g, are small blocks secured to the front side of the lever B, a proper distance apart and equal distance from the king-bolt *a*.

f, f, are tripping blocks secured to the front side of the lever B a short distance beyond the set-blocks *g, g*.

k designates an upright secured to one of the frame bars A, A.

K is an idler journaled on near the upper end of the upright *k*.

i is a cord secured with one end to the plunger-bar C near the plunger G, and extending over the idler K and having to its other end attached a weight *b*.

j, j, are cross bars placed a proper distance from the bolster plates J, J, toward the press. Said cross bars are of proper size to strengthen the frame bars A, and can also answer as a guide for the plunger bar C when so desired.

The operations may be summarized as follows viz: The lever B is shifted from the position as seen in full lines to one of the position as seen in dotted lines, when the trip-block *f* will shift the bar C off the set-block *g*, the plunger G being forced back by the rebound of the pressed material and also drawn back by the weight *b*, which will cause the plunger bar C to shift along the lever B to the other set-block *g* in the position as seen in dotted lines, also drawing the plunger G to the position as seen in dotted lines, when the feeding chamber is refilled, and the lever B moved to opposite position as seen in dotted lines thus moving up the plunger and compressing the material, and the trip-block *f* again tripping the plunger bar C, which will now move to the opposite side of the press as seen in dotted lines. The feeding chamber is again refilled and the operation of the lever B repeated, making one compression at each move of the lever B.

Having thus described my invention, what I claim is—

1. In a baling press, the combination with a lever B having the set-blocks *g, g*, and the tripping blocks *f, f*, in connection with a plunger-bar C and a rebounding plunger, as and for the purpose described.

2. In a baling press, the combination with a lever B having the set-blocks *g, g*, and the tripping blocks *f, f*, in connection with a rebounding plunger and plunger-bar the free end of said plunger-bar C anchored to the frame of the press, by a linked-strap *h* or its equivalent as and for the purpose described.

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

GEORGE SCHUBERT.

Witnesses:

JAS. DOWNEY,
M. HERSH.