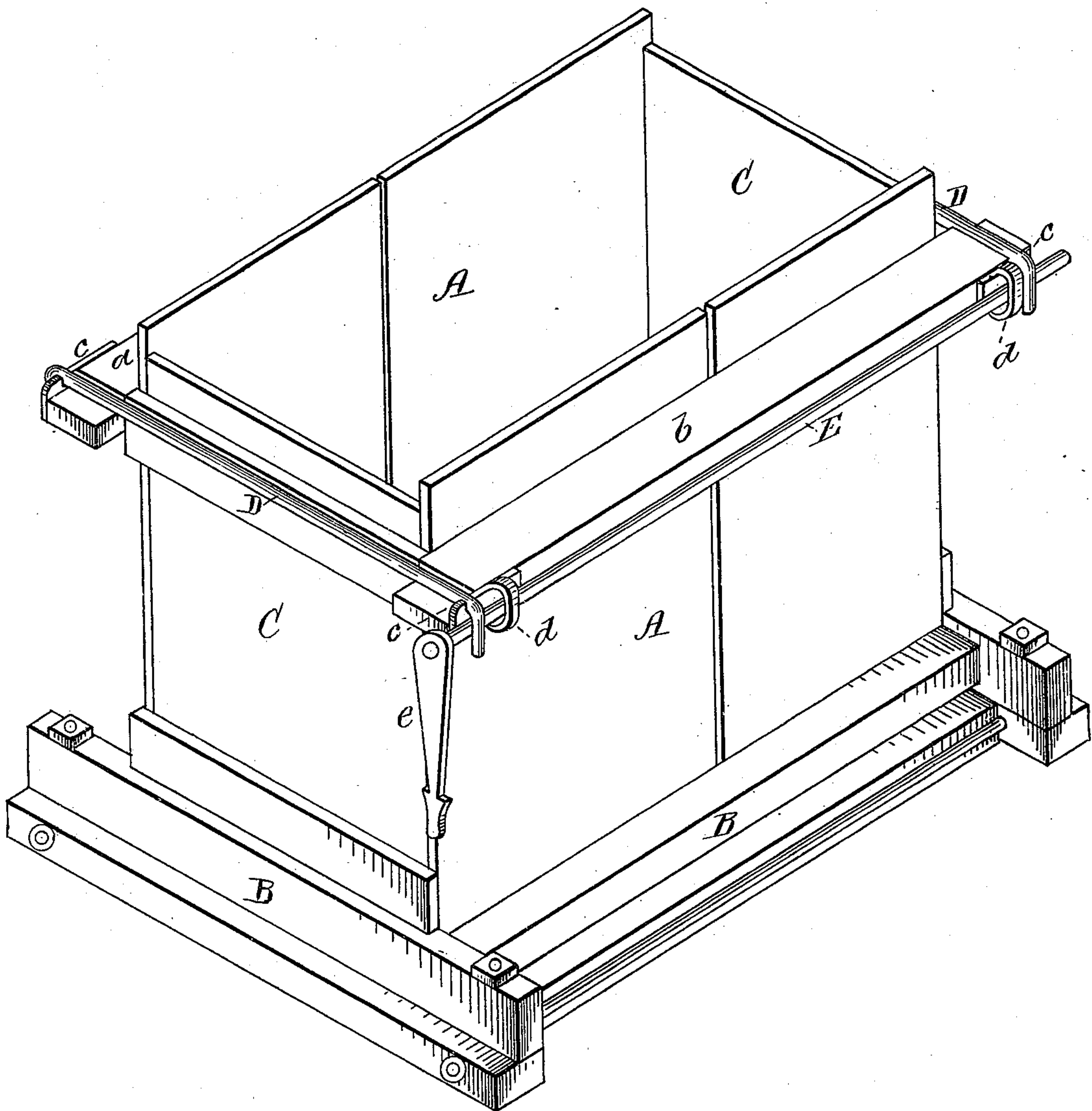


(No Model.)

T. D. KANE.
Baling Press.

No. 229,892.

Patented July 13, 1880.



Witnesses
Nat. E. Oliphant
Geo. R. Porter

INVENTOR
Thomas D. Kane,
per Cha. H. Fowler,
Attorney.

UNITED STATES PATENT OFFICE.

THOMAS D. KANE, OF NEW ORLEANS, LOUISIANA.

BALING-PRESS.

SPECIFICATION forming part of Letters Patent No. 229,892, dated July 13, 1880.

Application filed May 20, 1880. (No model.)

To all whom it may concern:

Be it known that I, THOMAS D. KANE, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Baling-Presses; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The present invention has relation to certain new and useful improvements in the means employed for simultaneously releasing both of the doors of the box of a baling-press to admit of their being readily opened and the bale discharged therefrom without the necessity of using a hammer, ax, sledge, or maul to knock open the doors, as has been usually the custom.

The simultaneous unlocking or releasing of these doors I attain by the mechanism illustrated in the accompanying drawing, which represents a perspective view of the box of a baling-press embodying my invention.

In the drawing, A represents the side doors of the box, rigidly secured to the usual frame B, and C the removable end doors. This part of the baling-press is designed to receive the bale and admit the securing of it while under pressure, and also to allow of its being discharged.

To the doors A are secured battens *a b*, having at their ends latches *c*, of any suitable construction, to receive the hooked ends of horizontal clamping-rods D, which are held in place by a rolling bar, E, passing through loops *d* upon the batten *b* and bearing against the inner sides of the hooked ends of the rods D, said rolling bar having a crank, *e*, or other

means of operating it, either at one or both ends, as found desirable.

In pressing the cotton, rags, moss, hay, &c., into a bale there is considerable strain or pressure on the clamping bars or rods which hold the doors, and it has usually been the custom to knock them on one end to free them. With my improvement all that is necessary is to turn the rolling bar E by the crank *e*, which will cause the bar to roll up and lift the ends of the clamping-rods over the battens of the doors C, and thereby simultaneously release them.

It will thus be seen that a very simple and effective means is obtained for releasing or unlocking the doors at once, and at the same time without having to use a hammer or other similar tool, which is attended too frequently with injury to the press.

The invention may be placed on presses that pack up or down, or on presses working horizontally or with horizontal packing-boxes, with equal beneficial results.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The means for simultaneously releasing the end doors of a baling-press, consisting of the hooked clamping-rods D and the rolling bar E, combined and arranged to operate substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS D. KANE.

Witnesses:

D. I. DOWERS,
ROBERT BELL.