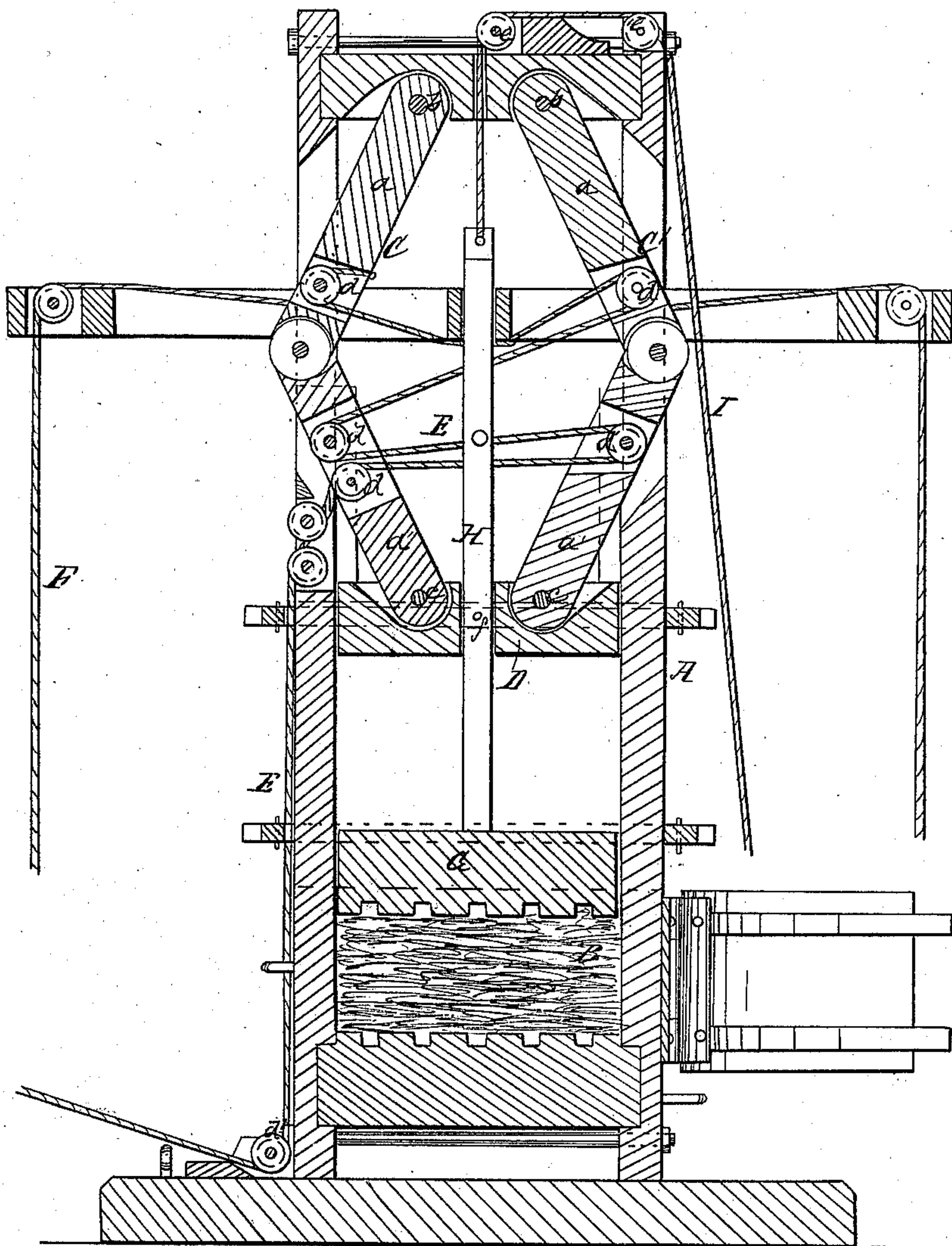


D. Dunn,
Hay Press.

N^o 81,612.

Patented Sep. 1, 1868.



Witnesses:

Wm. A. Magan
G. B. Cotton

Inventor:

D. Dunn
per Munnell
Attorney.

United States Patent Office.

DANGERFIELD DUNN, OF LEWISPORT, KENTUCKY, ASSIGNOR TO HIMSELF
AND WILLIAM B. MILLER, OF SAME PLACE.

Letters Patent No. 81,612, dated September 1, 1868.

IMPROVED BALING-PRESS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DANGERFIELD DUNN, of Lewisport, in the county of Hancock, and State of Kentucky, have invented a new and improved Baling-Press; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to a new and improved baling-press of that class in which toggle-levers are employed for operating the platen.

The invention consists in a peculiar manner of applying the rope to the toggles, by which the latter are operated, and in a novel manner of arranging the platen with the toggles, as hereinafter fully shown and described, whereby a compact and powerful baling-press is obtained, and one which will admit of being used as a beater-press, when required.

The accompanying drawing represents a side sectional view of my invention.

A represents the frame of the press, and B the press-box. These parts may be of usual construction, and therefore do not require a special description.

C C' are two pairs of toggles, the upper arms, *a*, of which are secured by pivot-bolts *b* to the top piece of the frame A, and the lower arms, *a'*, secured by pivot-bolts *c* to a slide, D, which is allowed to rise freely in the frame A. The arms *a a'* of the toggles have pulleys *d* fitted in them, around or over which a rope, E, passes, as shown clearly in the drawing.

By this arrangement of said rope and pulleys, the two pairs of toggles may be drawn towards each other, and the slide forced down in a very efficient manner, the rope E extending down and passing under a pulley, *d'*, at the bottom of the frame A, and the power attached to its end. The toggles are drawn apart and the slide D raised by means of ropes F F attached to them near their joints. These ropes are operated by hand.

G represents a platen, which has a rod, H, attached, said rod passing up through the slide D, and having a rope, I attached to its upper end, said rope passing over pulleys *e e* on the top of the frame A.

When the platen is operated, (forced down,) under the action of the toggles, the platen-rod H is attached to the slide D by a pin, *f*, but by removing this pin, and thereby leaving the platen free, the latter may be used as a beater, to compact the material in the press-box prior to the pressing operation. This is a great advantage, for in compressing some substances, such as straw, for instance, it may, by the process of beating, be reduced to a comparatively small bulk, the tubular structure of the straw being destroyed, and air expelled from it before the operation of pressing is commenced.

The platen may be operated as a beater by any suitable mechanism which will raise it and allow it to fall or drop when fully raised. The ordinary device for that purpose now used with beater-presses may be employed.

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

The detachable platen G, in combination with the toggles C C' and slide D, all arranged substantially as and for the purpose specified.

The above specification of my invention signed by me, this 28th day of April, 1868.

D. DUNN.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.