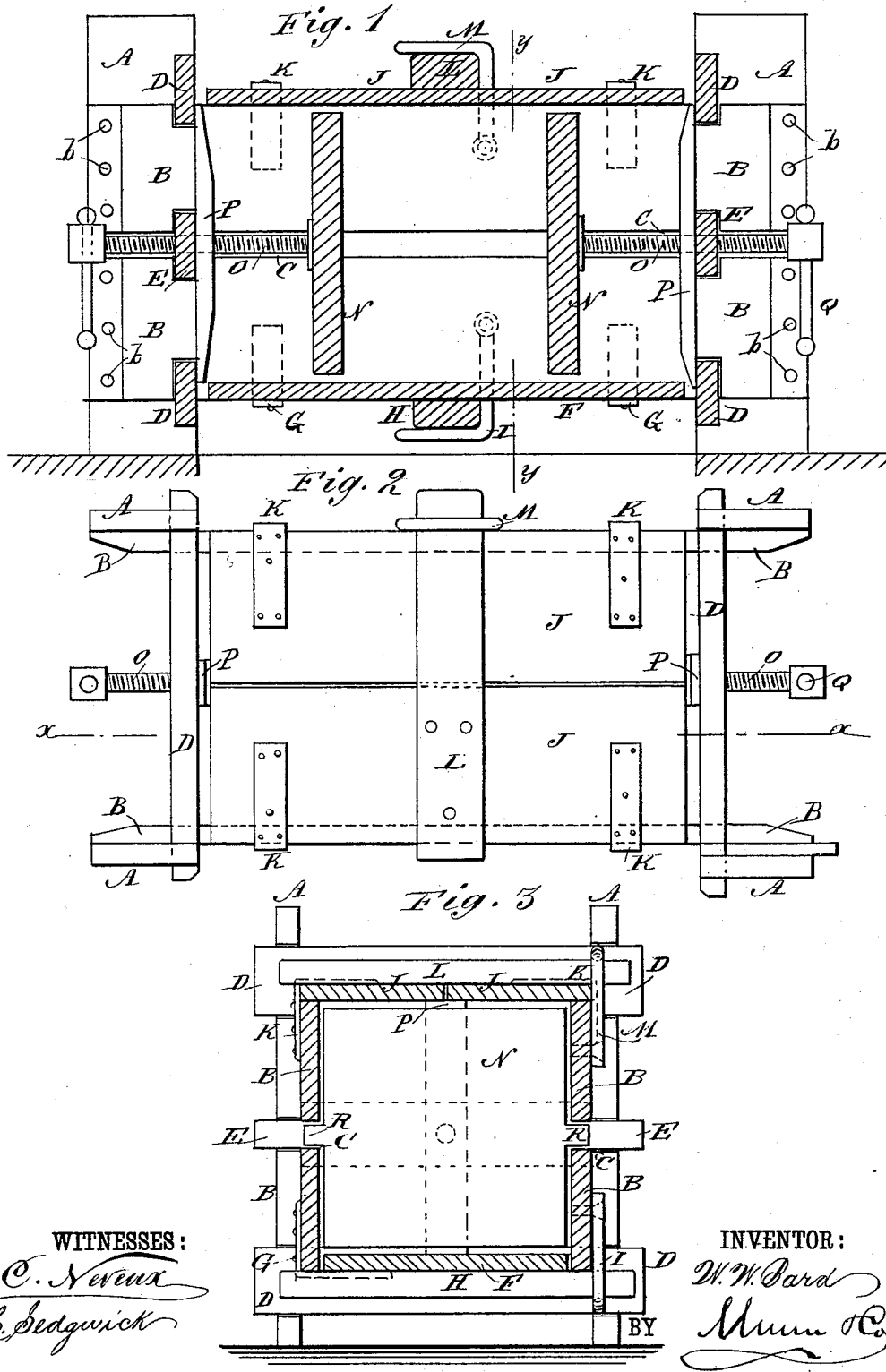


(No Model.)

W. W. BARD.
HAY AND COTTON PRESS.

No. 262,725.

Patented Aug. 15, 1882.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WILLIAM W. BARD, OF ELIZABETHTOWN, KENTUCKY.

HAY AND COTTON PRESS.

SPECIFICATION forming part of Letters Patent No. 262,725, dated August 15, 1882.

Application filed May 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. BARD, of Elizabethtown, in the county of Hardin and State of Kentucky, have invented a new and Improved Hay and Cotton Press, of which the following is a full, clear, and exact description.

This improvement in presses consists of the construction of said presses in a simple and cheap form adapted to the means within the range of cheap farm-labor, and whereby serviceable presses may be had without the cost of expensive material and fittings, all as herein-after more fully described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional elevation of my improved press, taken on the line *x x* of Fig. 2. Fig. 2 is a top view, and Fig. 3 is a transverse section on line *y y*, Fig. 1.

A represents four posts of two-inch by six-inch plank, or thereabout.

B represents four side pieces of the press-case, of similar material, of same thickness and the same or greater width, said side pieces being arranged so that said posts project beyond the side pieces, both top and bottom, and also so that a little space is left at C between the two side pieces of each side of the press.

D represents top and bottom and E middle cross-pieces, boxed into the edges of the posts A, and also into the edges of the sides B, firmly interlocking the press case, both end-wise and sidewise.

F is the bottom of the case, consisting of a wide plank hinged to one of the side pieces B at G, and fastened up by one or more cross-bars H and hooks I.

J represents the cover, consisting of two pieces hinged at K to the top side pieces, B, and secured by cross-bar L and hooks M.

N represents two followers working from the ends of the case toward the center by means of screws O screwing through middle cross-pieces, E, and upright cross-pieces P, secured inside of end pieces, D E, said screws being

worked by hand-levers Q. The followers have end studs, R, working in the slots C between the side pieces. The covers J are opened to fill in the material, and the pressed bales are discharged, after being tied, by opening the bottom F and letting the bales fall into a space below, the press being set up on abutments or other supports sufficiently elevated for the purpose.

Thus it will be seen that with but small outlay for timber and screws a very good hand-press may be provided by the farmer himself.

Instead of nailing the side pieces and the posts together, as I have represented them at b, I shall in practice employ keys or pins that may be readily detached, whereby, together with the notching or boxing of the end pieces D in the edges of the posts, and also in the edges of the side pieces, the press may be put together without nails, screws, or bolts, and it may be readily taken apart and loaded compactly on a wagon for transportation.

In practice the bales will be slackened for discharging readily by the use of removable boards placed within the case against the sides, to be pulled out after the bale is pressed and relieve the bale of the side pressure.

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

1. The improved hand-press case constructed, substantially as herein described, with sides B, posts A, and ends D, boxed or notched together, and bottom and top hinged to the sides and secured by cross-bars and hooks, as set forth.

2. The combination, in a press, of upright bars A, side bars, B, secured thereto with space C between them to guide the followers N by their end lugs, R, said followers being actuated by screws O, threaded through the ends of the press, substantially as shown and described.

WM. W. BARD.

Witnesses:

H. M. MIDDLETON,
W. W. SHEWARD.