

(No Model.)

J. LYNES.
FODDER*PRESS.

No. 268,033.

Patented Nov. 28, 1882.

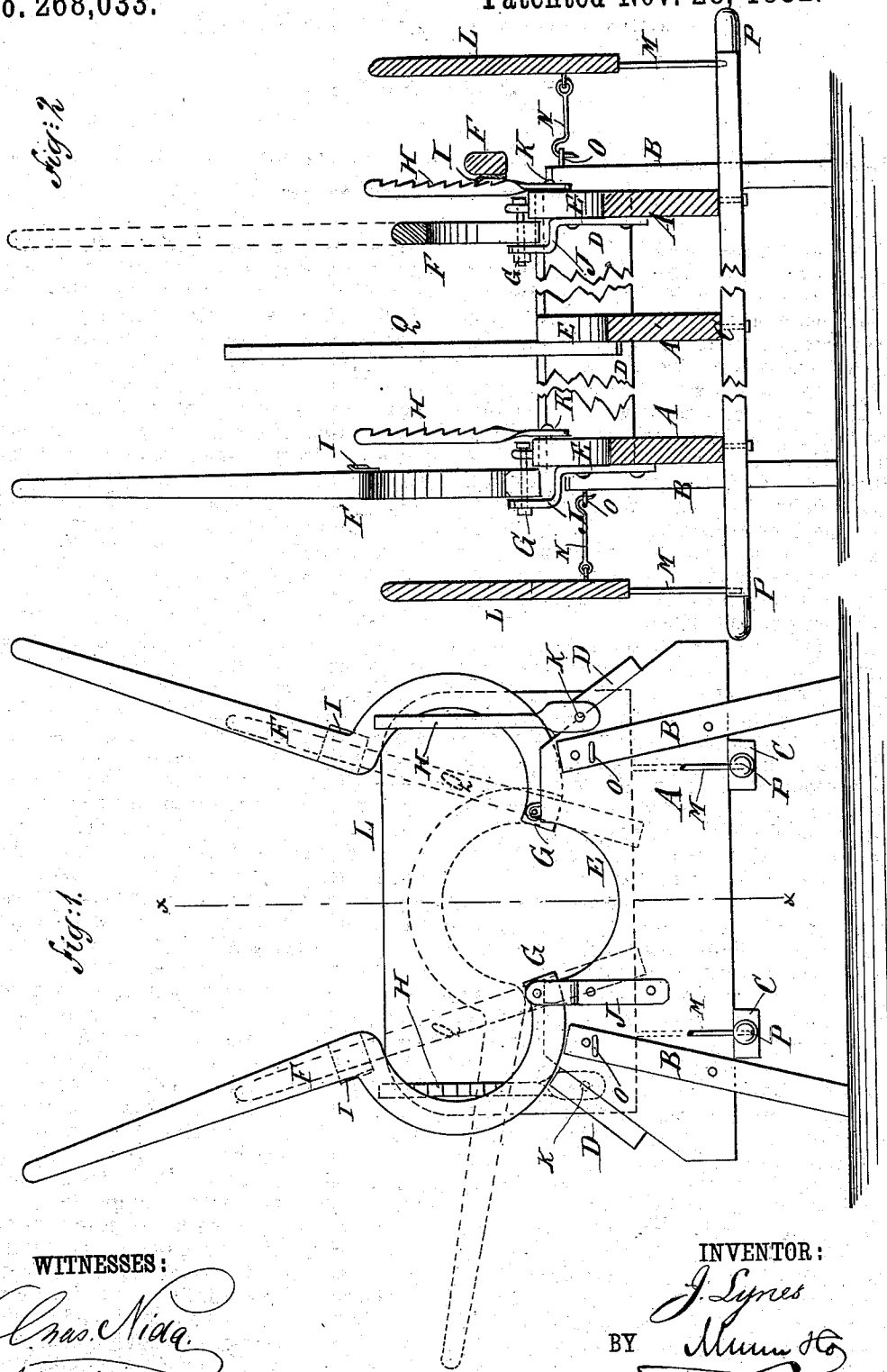


Fig. 2

Fig. 1

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN LYNES, OF PRICE, MISSOURI.

FODDER-PRESS.

SPECIFICATION forming part of Letters Patent No. 262,033, dated November 28, 1882.

Application filed April 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN LYNES, of Price P. O., in the county of St. Louis and State of Missouri, have invented a new and Improved Fodder-Press, of which the following is a full, clear, and exact description.

This invention consists of a hand-power press contrived for pressing cornstalks into bundles for binding tightly together with bands or ties for the better protection of the stalks from the weather in the field, and also for greater convenience in handling and storing the stalks, the said machine consisting of an arrangement of the bench for holding the bundle and levers for pressing the bundle, and also of a gage attachment by which to place the stalks evenly, all as hereinafter described.

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

Figure 1 is a side elevation of my improved fodder-press with one gage removed; and Fig. 2 is a sectional elevation on line *x x* of Fig. 1, showing the press adjusted for pressing long bundles of stalks laid both ways, with the tops in the middle and butts at both ends, said bundles to be secured by two ties.

A represents two side pieces of the press bench or frame, and A' a middle piece, the said side pieces and middle piece consisting of three short pieces of plank of suitable length and breadth, set up edgewise parallel to each other and apart from each other about two feet, more or less, on legs B, and connected together by cross-pieces C, attached to the lower edges and by narrow boards D, one at each end. In the upper edge of each of these side pieces, A, and middle piece, A', is a deep concave notch, E, in which the stalks of fodder to be pressed are laid, and each side piece, A, has two crooked clamp-levers, F, applied by a pivot, G, as shown in the drawings, to be brought down on the upper side of the bundle to press it compactly in the notches E of the side pieces and hold it by means of the ratchet-bars H and catches I until the bundle is tied. The middle piece, A', has two arms, Q, to hold the stalks. The levers will be pivoted to the opposite sides of the side pieces, A, and on opposite sides of the notches E, so that the handles of the levers

will swing past each other without interference with each other. To sustain the pivots of these levers properly, a bracket, J, will be applied to the side piece with each lever. In practice these levers will be cast and have the pivots cast together with them and the brackets will be detachably connected, so that the levers can be readily taken off and put on.

The ratchet-bars H are pivoted to the side pieces, A, of the press at K, in order that they may be turned down alongside of the side pieces, also for convenience in transporting the press. The catch-pieces I, by which the levers F are engaged to these ratchet-bars H, are permanently attached to the levers, and said levers are arranged at their pivots G, so as to allow sufficient lateral play to swing the levers to and from the ratchet-bars enough to engage and disengage them with the said ratchets.

L represents end gages, by which the ends of the stalks may be placed evenly in the bundle. Said gages are supported on the projecting portions of the cross-pieces C a suitable distance beyond the side pieces of the press by rods M, detachably connected to the cross-pieces, and by hooks N and eyes O, connecting said gages with the side pieces, A, the said gages being thus detachably connected to facilitate the application and removal of them as required. The cross-pieces C are also provided with the extensious P, for use as handles, by which to carry the press about.

The machine is to be generally used, as represented, with a side piece, A, and clamping-levers F, also a gage, L, each side of the middle piece, A', to make long bundles of stalks laid with tops in the middle and butts at both ends and to be tied with two bands; but in practice it may sometimes be preferred to lay the stalks in shorter bundles, all the tops being at one end and all the butts at the other and to be bound with a single tie. In that case one side A, together with its levers, will be detached, also one gage L, these parts being detachably connected for that purpose.

The arms Q are employed in connection with middle part, A', to hold the bundle while being laid in the press, when only one of the sides having levers is employed. The said arms are also useful when both of the lever sides are employed, and will not be detached, although

not then needed as much as in the other case, and may be dispensed with, if desired.

Should the press be used for sorgo or other heavy material, the levers will be so pivoted
 5 on one side as to fold out and downward, to facilitate the removal of bundles when tied.

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

1. The combination, in a press, of the two
 10 notched side pieces, A, arranged and supported as described, and a pair of crooked levers, F, pivoted to each of said side pieces relatively to said notches, substantially as described.

2. The combination, in a press, of a notched
 15 side piece, A, having a pair of levers, F, and similarly-notched piece A', having arms Q, substantially as described.

3. The combination, in a press, of two side
 20 pieces, A, having levers F, and an intermediate piece, A, having arms Q, substantially as described.

4. The combination of notched side pieces, A, levers F, ratchet-bars H, and catches I, substantially as specified.

5. The crooked levers F, in combination with
 25 notched side pieces, A, and being detachably pivoted to said side pieces, substantially as specified.

6. The combination of the ratchet-bars H
 30 with the crooked levers F and the notched side pieces, A, said ratchet-bars being pivoted to said side pieces, to be folded down along said side pieces, substantially as specified.

7. The combination of cross-pieces C with
 35 the notched side pieces, A, and the crooked levers F, said cross-bars having extension-handles P, substantially as specified.

8. The combination of gage L with the
 40 notched side pieces, A, and levers F, substantially as specified.

9. The combination of gage L, detachable supports M, hooks N, and eyes O with the notched side pieces, A, and crooked levers F, substantially as specified.

JOHN LYNES.

Witnesses:

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 THOS. J. FAGIN.