

United States Patent Office.

FINLAY F. HAMILTON, OF GREEN BAY, WISCONSIN.

Letters Patent No. 110,849, dated January 10, 1871.

IMPROVEMENT IN HAY-PRESSES.

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, FINLAY F. HAMILTON, of Green Bay, in the county of Brown and State of Wisconsin, have invented a new and improved Hay-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 certain improvements in hay or analogous presses, and consists in the combination with the case and follower of grooved ribs, and a crane for elevating the follower, all as hereinafter specified.

Figure 1 represents a sectional elevation of my improved hay-press;

Figure 2 is a top-view of the same; and

Figure 3 is a view of one of the doors of the case detached.

Similar letters of reference indicate corresponding parts.

A is the case, which is preferably arranged vertically on a suitable platform, B. It is provided with doors, C, near the bottom, on two opposite sides, through which to discharge the finished bale.

D is the follower, working to and fro in the case on guiding-ribs, E, which have a groove in them for the operating-cords F, which are attached at both ends to the winding-drum or shaft G and pass under the guide-rollers H, up along the case on each end, and over the follower, as shown, in the grooves of the guides E. The follower has appropriate notches in the edges for these guides.

The winding-drum is provided with an enlarged part, I, over which the operating-rope K works, being drawn off from it by a horse or other power, for winding on the rope F and drawing the follower down. When the cords F and the follower are drawn back, the rope K winds on again.

The follower is raised by a cord attached to it at L,

and working through a pulley-block, M, on the crane N, attached to the side of the case, the said cord being operated by the attendant.

When the follower is raised, the cords F are slipped off at the ends and suspended on the top of the case, as shown at O, the case being provided with notches, P, for the purpose. The follower is then swung around out of the way, for filling the case, and suspended on the crane.

Q represents cords suspended from the case to hold the doors C up while the bale is tied and removed.

The bottom of the case is provided with ribs, R, forming channels for the tying-cords S, which are placed therein and made fast at each end to a pin T, after passing through slots, V, in the doors, to be retained while the pressing is going on.

The lower face of the follower is also provided with similar ribs, U, forming channels for passing the ends of the cords S through, for tying when the pressing is complete.

The winding-drum may be operated by any other means, if preferred. It is provided with a ratchet, W, and pawl, X, for holding against going back until required.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The arrangement of the swiveled crane N, provided with the pulley M, with relation to the case A, follower D, and cords F, as and for the purpose specified.

2. The combination, with the case, follower, and the cords, of the grooved ribs E, substantially as specified.

The above specification of my invention signed by me this 18th day of April, 1870.

FINLAY F. HAMILTON.

Witnesses:

G. E. T. KYBER,
J. W. FOLLETT.