J. M. TOLAND.
Baling-Press.

No. 206,753. Patented Aug. 6, 1878.

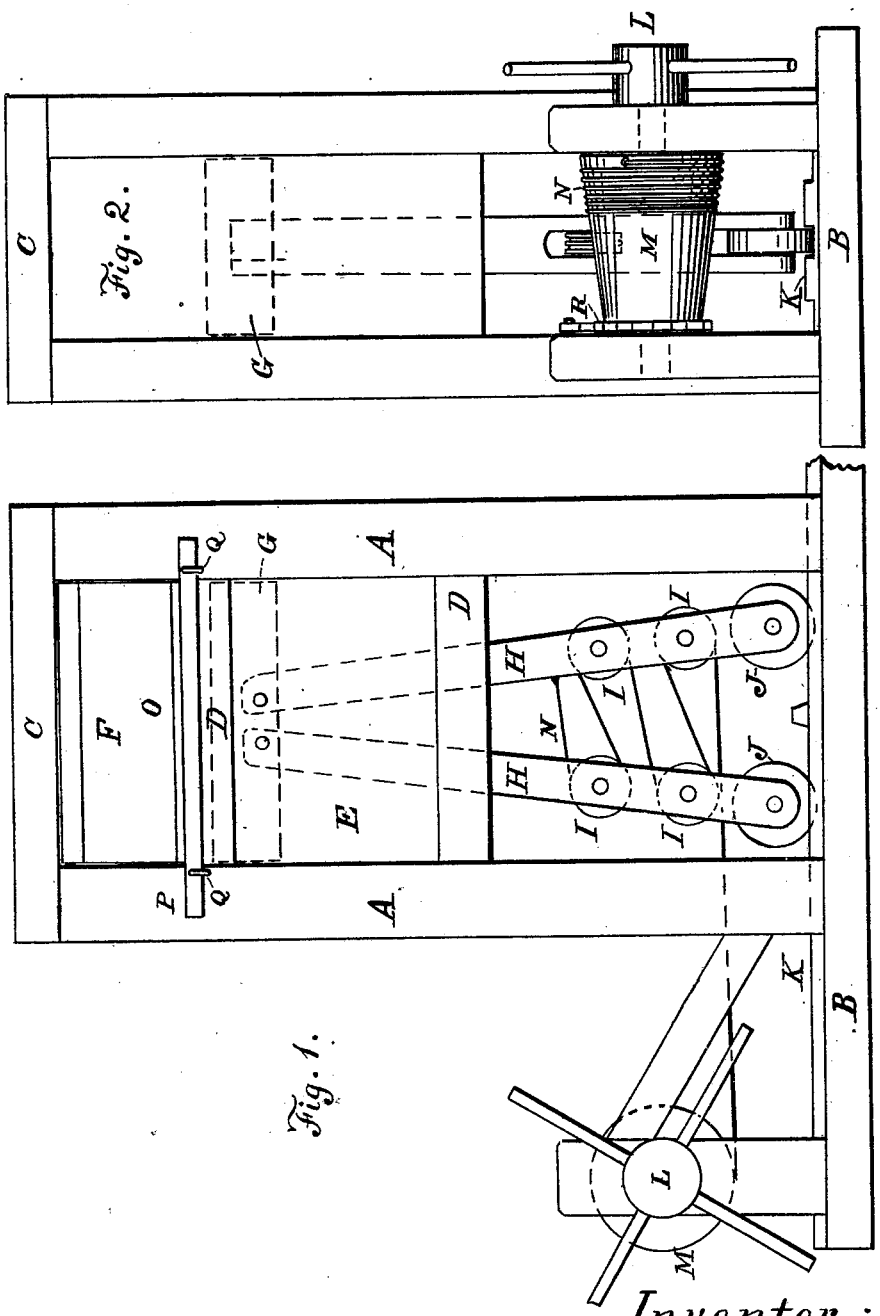

Fig. 1.

Witnesses:
L. S. Timmys
John O'Donoghue

Inventor:
J. M. Toland
by H. J. Ennis
Attorney.

UNITED STATES PATENT OFFICE.

JACOB M. TOLAND, OF JONESBOROUGH, GEORGIA.

IMPROVEMENT IN BALING-PRESSES.

Specification forming part of Letters Patent No. **206,753**, dated August 6, 1878; application filed June 17, 1878.

To all whom it may concern:

Be it known that I, J. M. TOLAND, of Jonesborough, in the county of Clayton and State of Georgia, have invented certain new and useful Improvements in Cotton and Hay Presses; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation of the improved press. Fig. 2 is an end view of the same.

This invention has relation to cotton and hay presses; and consists in the improvements in the construction of the same hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawing similar letters of reference indicate like parts in the invention.

The frame is composed of the uprights A, base B, cap C, and cross-pieces D, and supports the platen-chamber E and the bale-chamber F. The platen G has pivoted to it the levers H H, provided with pulleys I and guide-wheels J, which latter run in ways in the longitndinal sill K. A windlass, L, having a tapering drum, M, is located at one end of the longitudinal sill K, and a cord, N, connected at the largest end of the drum M, runs over the system of pulleys I in the pivoted levers H H. The pivoted levers H H, when their lower ends are extended, bring the top of the platen G beneath the bottom of the bale-chamber F, which is provided with doors O, hinged at the top and operating outwardly and upwardly. Horizontal bars P, resting in hasps Q, are employed to hold the doors O shut. Each additional pair of pulleys I increases the power of the levers H. The drum M of the windlass has a ratchet, R, to retain it at the point to which it may be turned. The object of having the drum M tapering in form is that the cord may commence to wind at the larger end, when less will be required to operate the levers by which it is turned, and when the greatest force is needed upon the pivoted levers H H the drum M will be smaller and less power will be required to turn it, although the rope will not be wound upon it so rapidly.

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

In a cotton or hay press, the platen G, having the pivoted levers H H, provided with the pulleys I and guide-wheels J, working in the ways in the base-sill K, and the tapering windlass-drum M, the whole constructed and operating substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JACOB M. TOLAND.

Witnesses:
JAS. THOMAS SPUCE,
J. A. MCCONNELL.