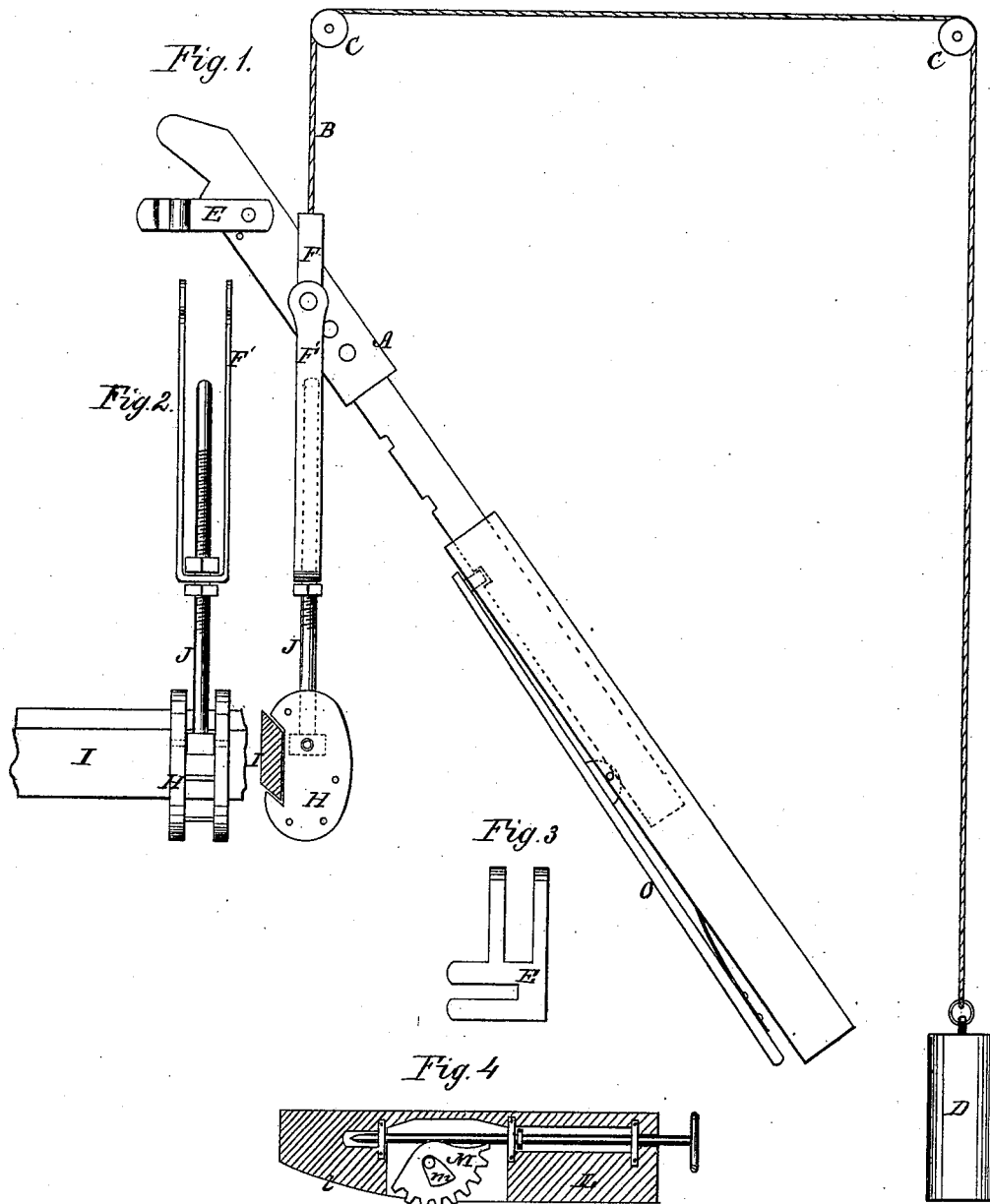


J. Z. STOCKER.
BALE-BAND STRETCHER.

No. 170,411.

Patented Nov. 23, 1875.



WITNESSES:

W. W. Hollingsworth.
George Kenon

INVENTOR:

James Z. Stocker
BY New T. B.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES Z. STOCKER, OF CHARLESTON, SOUTH CAROLINA.

IMPROVEMENT IN BALE-BAND STRETCHERS.

Specification forming part of Letters Patent No. **170,411**, dated November 23, 1875; application filed July 2, 1875.

To all whom it may concern:

Be it known that I, JAMES Z. STOCKER, of the city and county of Charleston, and State of South Carolina, have invented a new and Improved Bale-Band Stretcher; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a side elevation; Figs. 2, 3, 4, detail views.

The invention relates to hay or cotton presses, wherein the follower and platen are grooved to allow the tie-band to be secured on the bale after compression, but before removal.

The invention consists in certain novel means whereby the band may be drawn more tightly about the bale, and at the same time be prevented from slipping. These means will first be described in connection with drawing, and then pointed out in the claim.

A represents a lever, which is suspended in a strap, F, by a cord, B, that passes over pulleys C C, and has a counter-weight, D, so as to be above the press and out of the way at ordinary times, but readily pulled down and into the required position for use when needed. This lever is provided with an extensible handle, which is secured, when adjusted, to the required length by a spring-latch, O, whose projection fits into notches in the lever. A greater or less leverage can thus be at any time obtained. Depending from the strap F', by means of a rod, J, that is adjustable in the strap, is a pivoted claw, H, that is readily hooked to a rigid cross-bar, I, in front of press. Bolted to the outer end of the lever is a catch, E, to which the cotton-band to be tightened is hooked and tightly

held, while the lever draws it through the buckle and around the bale. To prevent the other end of band from slipping, I use a wedge, L, which I place in the groove or grooves of upper platen or follower preparatory to the tightening operation, the slotted side *l* resting on the band, while the serrated cam M, having a slot, *m*, and pivoted longitudinally therein, bears with greater force at every slip, however small, of the buckle end of band. In order to enable pressure of cam to be removed from band, (should band part when pressure is put on them by levers,) I use a sliding rod, which passes over upper face of cam, forces it, by virtue of slot, down over the pivot, and compels it to protrude on under side of wedge.

When the rod is withdrawn the cam ceases to bite upon band, and allows wedge to drop out of openings in platen, when band can be replaced. The rod may be prevented from coming out by a collar, which works against shoulder in wedge.

Having thus described my invention, what I claim as new is—

1. The combination of the claw H and catch E with the lever A and rigid bar, as and for the purpose specified.

2. The lever A, suspended by a cord, having a counter-weight, in combination with the strap F, extensible rod J, and claw H, as and for the purpose specified.

3. The slotted wedge L, provided with serrated cam M, having a slot, *m*, in combination with a sliding rod, N, as and for the purpose specified.

JAMES Z. STOCKER.

Witnesses:

C. L. EDWARDS,
G. W. STOUT.