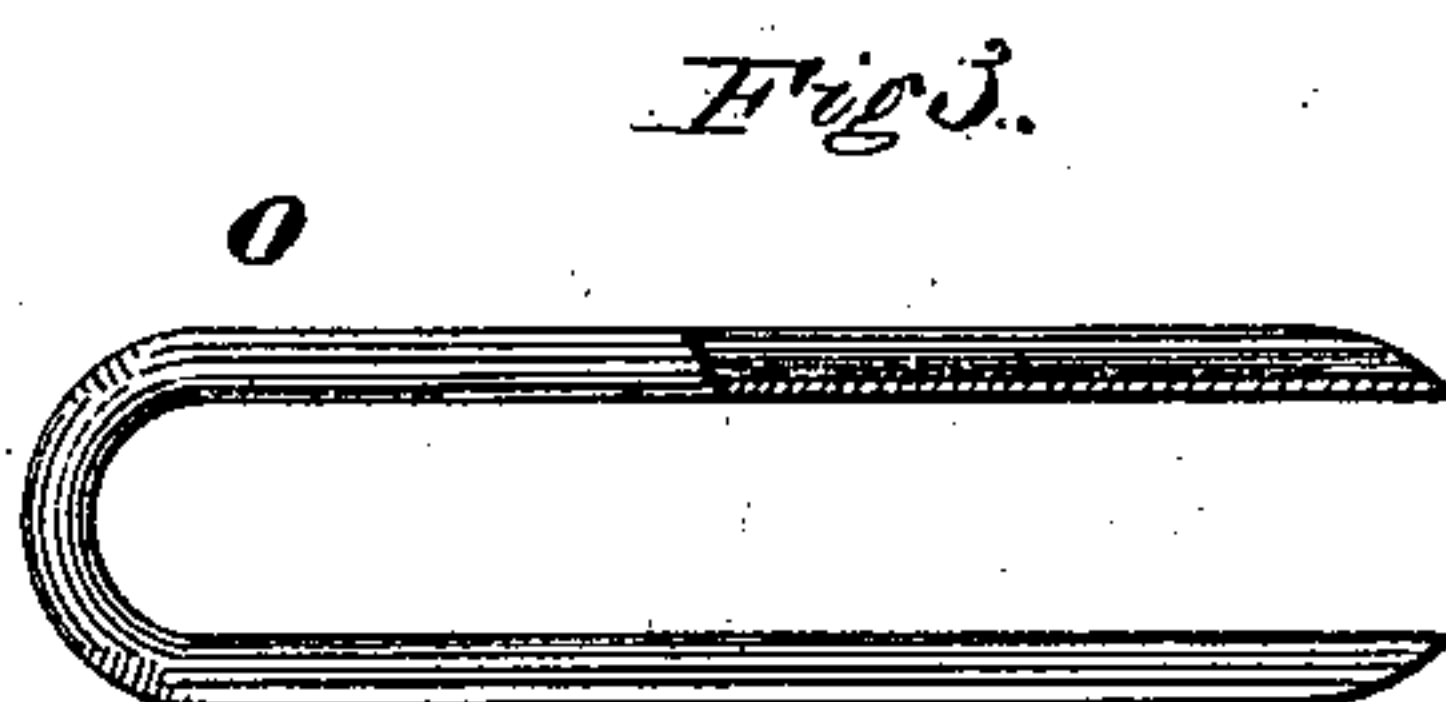
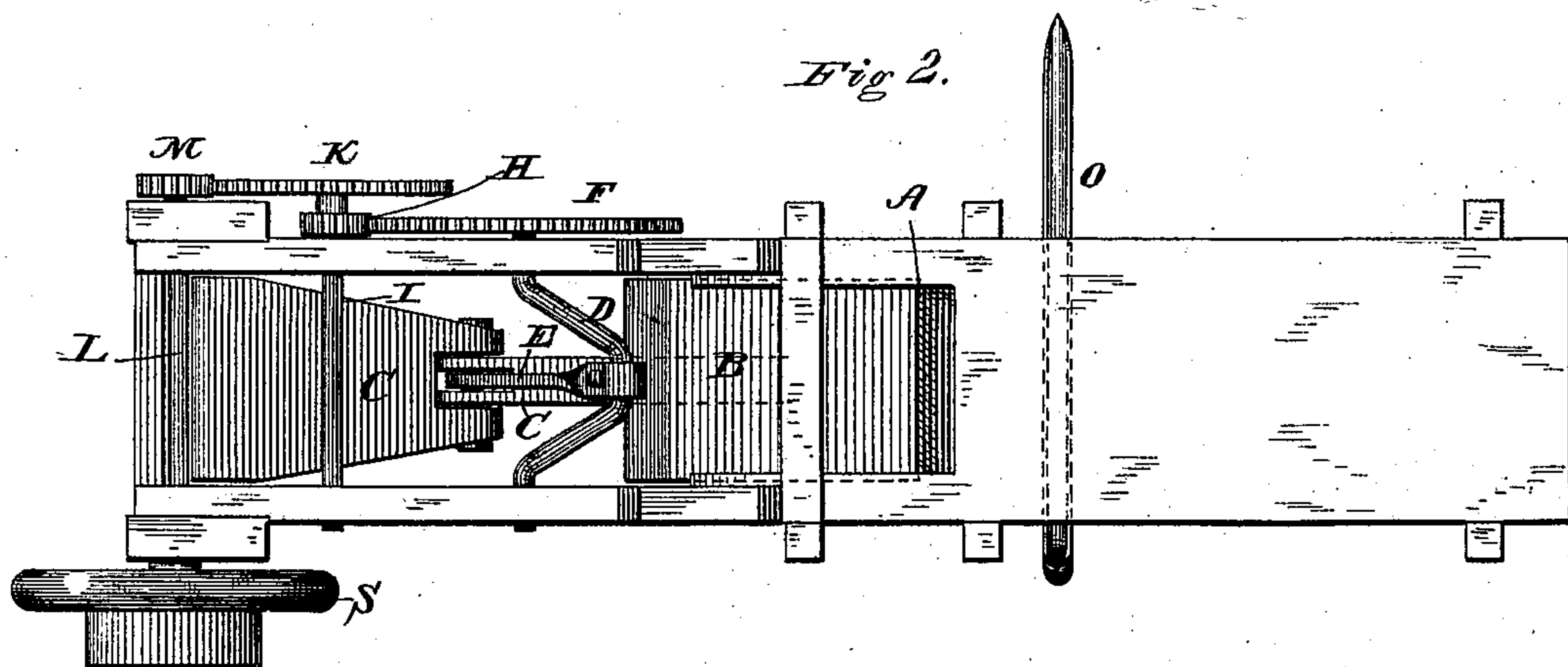
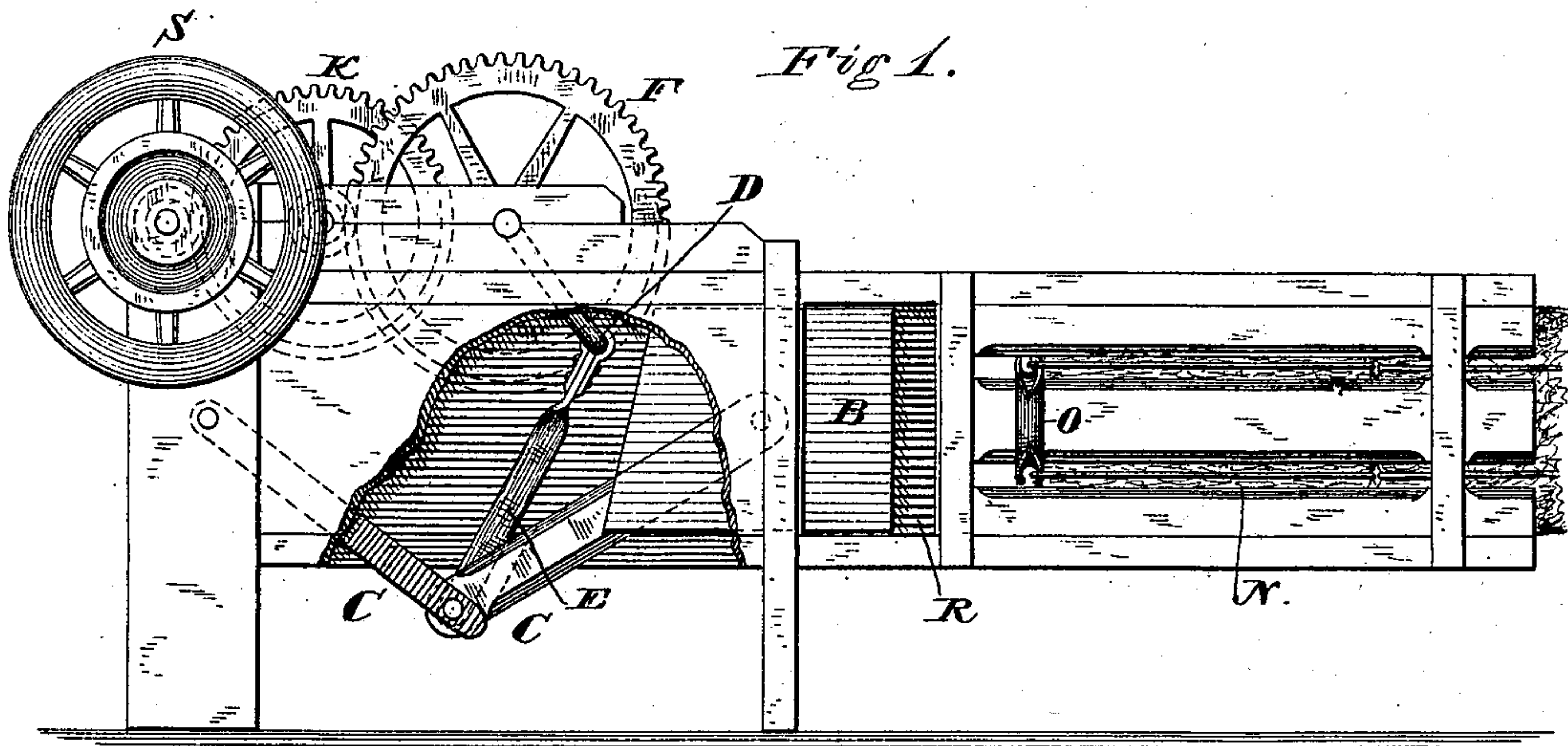


P. K. DEDERICK.
 Bale Wire Inserting and Bale Dividing Device.
 No. 227,616. Patented May 18, 1880.



Witnesses.

Harry King
William Blackstock.

Inventor.

Peter K. Dederick.

By *L. Hill*
His Atty.

UNITED STATES PATENT OFFICE.

PETER K. DEDERICK, OF ALBANY, NEW YORK.

BALE-WIRE-INSERTING AND BALE-DIVIDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 227,616, dated May 18, 1880.

Application filed October 16, 1878.

To all whom it may concern:

Be it known that I, PETER K. DEDERICK, of Albany, Albany county, New York, have invented a certain new and useful Improvement in Bale-Wire-Inserting and Bale-Dividing Devices; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of a press to which my improvements are applied, a part of the casing of said press being broken away to show more clearly the power mechanism. Fig. 2 is a top-plan view of the press, and Fig. 3 is a detailed view of an instrument for forming the partition between the bales and for facilitating the passage of the binding-wires.

Similar letters of reference in the several figures denote the same parts.

This invention relates to improvements in that class of presses secured to me by Letters Patent of the United States Nos. 132,566 and 132,639, dated October 29, 1872, and No. 170,999, of December 14, 1875, and by many others of later dates; and it consists in an improved device for separating the bales and facilitating the application of the binding-wires, which I will more fully describe hereinafter.

In the accompanying representation of a press, B is the traverser, operated by means of the toggle C C, connecting-rod E, crank D, gear-wheels F K, pinions H M, shafts I L, and balance-wheel S. The feed-orifice is located either at the top, as at A, or at the side, as at R.

The device which forms the essential feature of my present invention (represented by the letter O in all the figures) is shown by a detailed view in Fig. 3. It consists, preferably, of a metallic instrument bent into the form of

the letter U, and having its ends pointed or beveled off and its sides slotted or concaved, as shown.

In the operation of the press, when a sufficient quantity of material has been forced into the bale-chamber the instrument O is inserted through the tying-slots N, thus forming a partition. The doubled ends of the binding-wires are then passed through the press in the slotted or concaved sides of the instrument O, and on the other side of the press the bites of the wires are cut, and one portion used to bind the completed bale and the other portion reserved to bind the forming bale. After the wires have been passed through the press the instrument is, of course, withdrawn and held ready for the next operation.

Inasmuch as the concaves or grooves are in the top and bottom sides, respectively, of the upper and lower legs of the instrument O, the hay or other material being baled cannot force its way into said grooves, as it might were they in the lateral sides of the legs. Moreover, the peculiar location of the said grooves enables the instrument to be readily withdrawn from the press after the doubled wire has been passed through and its parts applied to the binding of the bales on either side.

The press shown may be provided with a fixed head, if desired.

I claim as my invention—

The improved instrument O, having grooves or recesses in the upper and lower sides, respectively, of its top and bottom legs, and adapted to operate substantially as described, for the purpose specified.

P. K. DEDERICK.

Witnesses:

W. A. SKINKLE,
R. J. VAN SCHOONHOVEN.