(No Model.) 2 Sheets—Sheet 1.

D. F. BROOKS.

WOOL PRESS.

No. 293,941. Patented Feb. 19, 1884.

Fig. 1.

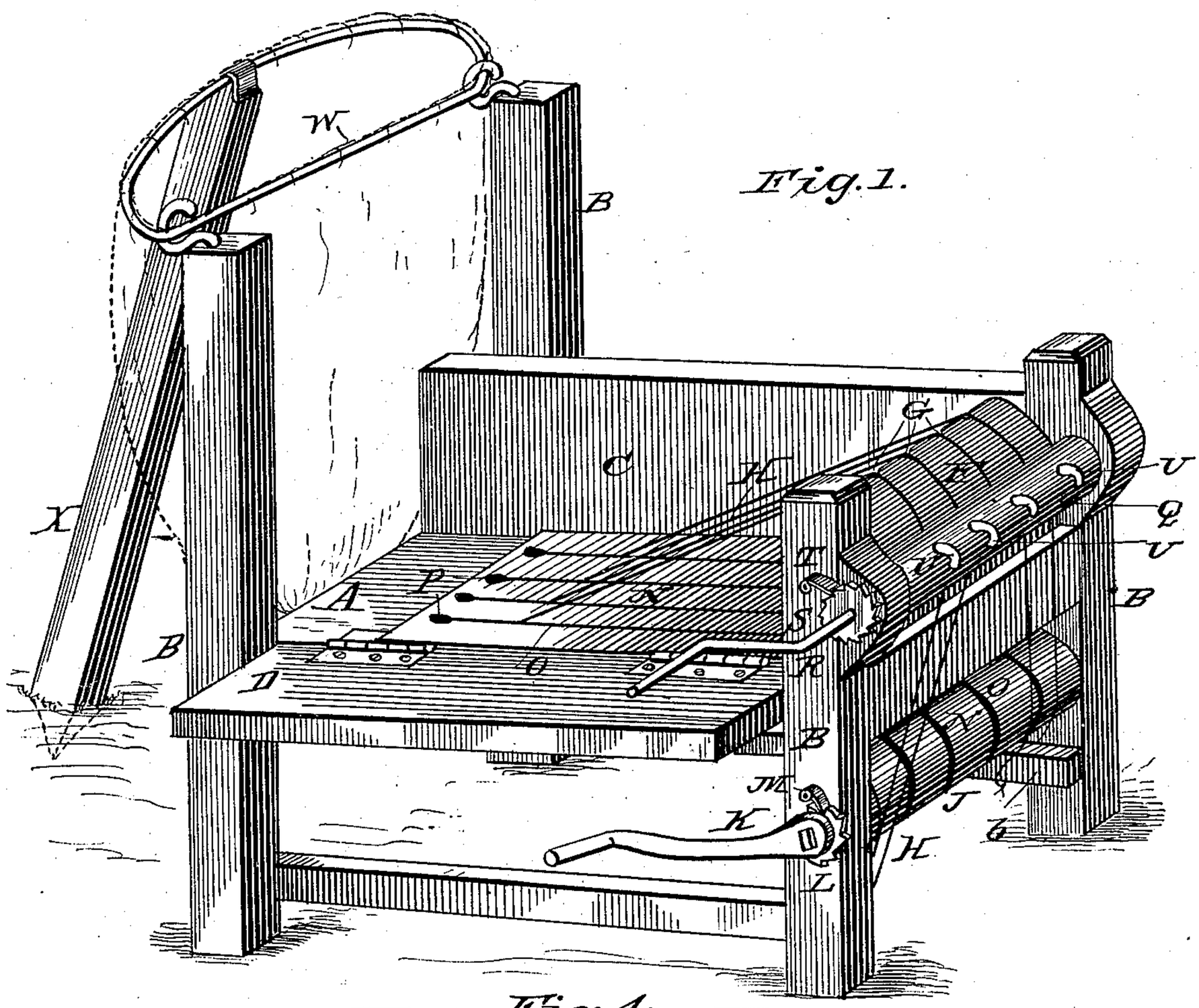
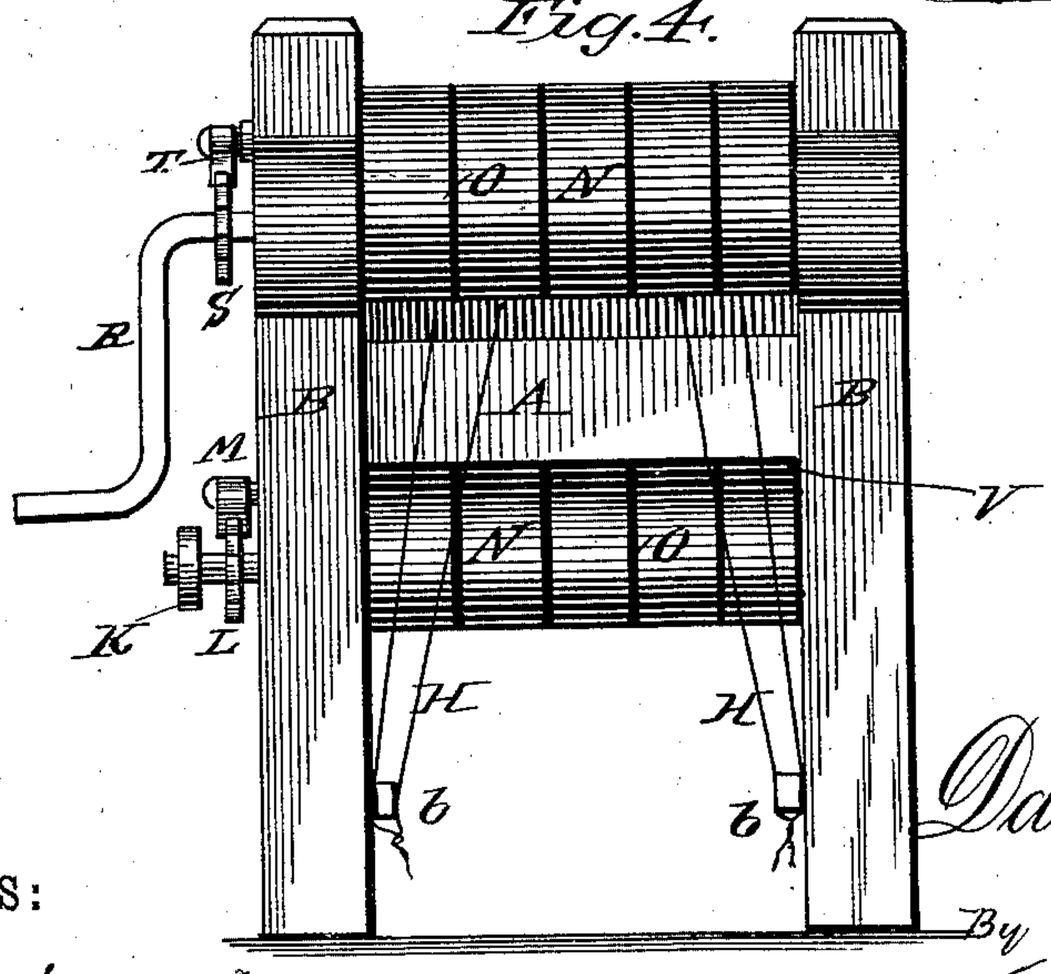


Fig. 4.



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(No Model.) 2 Sheets—Sheet 2.

D. F. BROOKS.

WOOL PRESS.

No. 293,941. Patented Feb. 19, 1884.

Fig. 2.

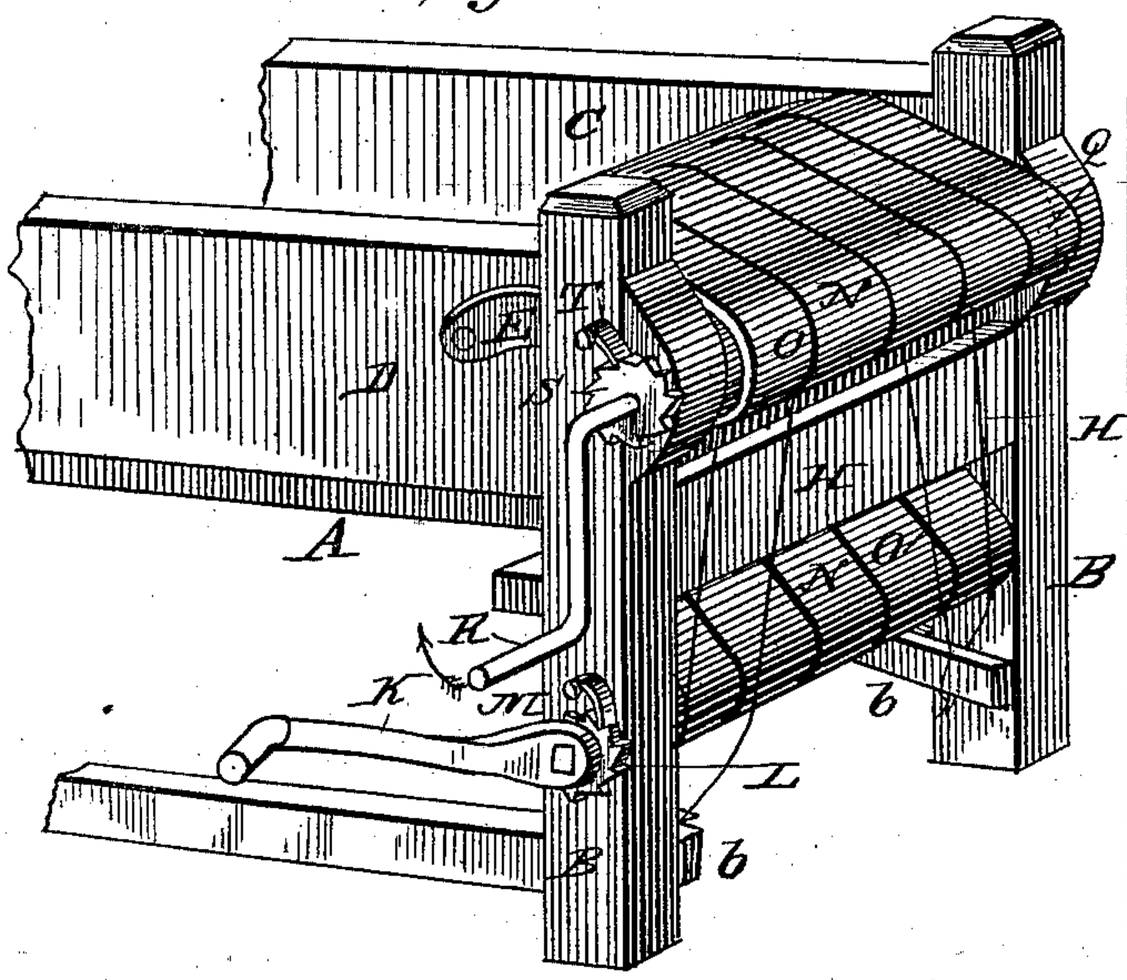


Fig. 5.

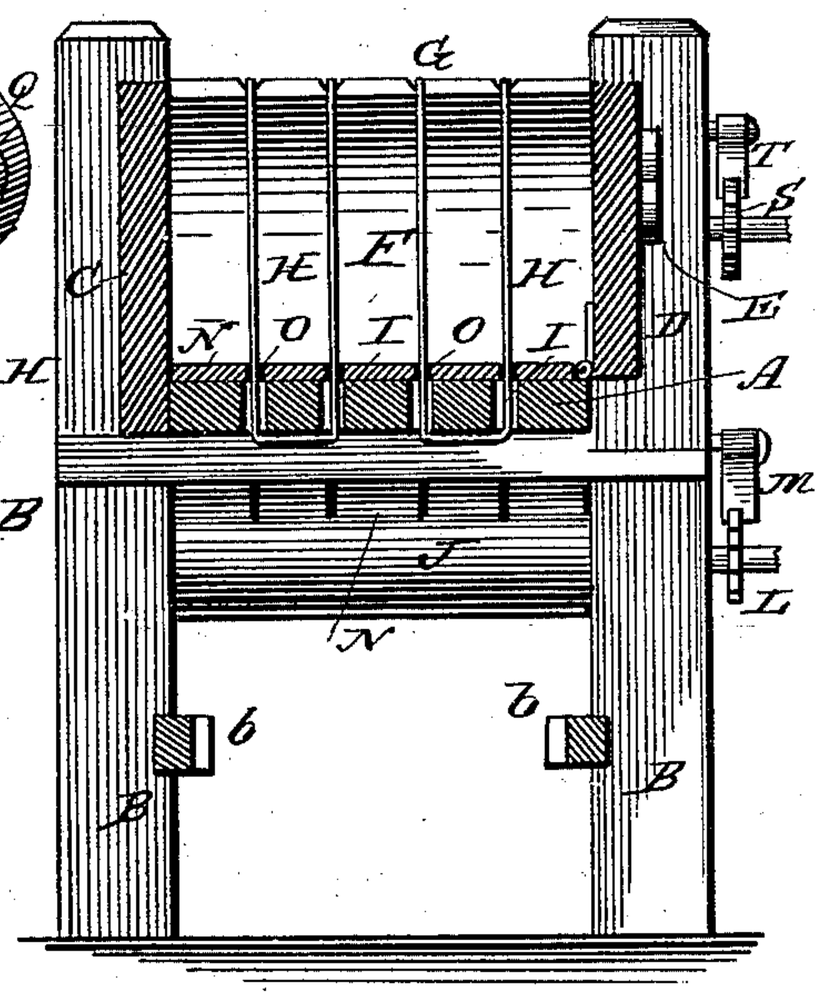
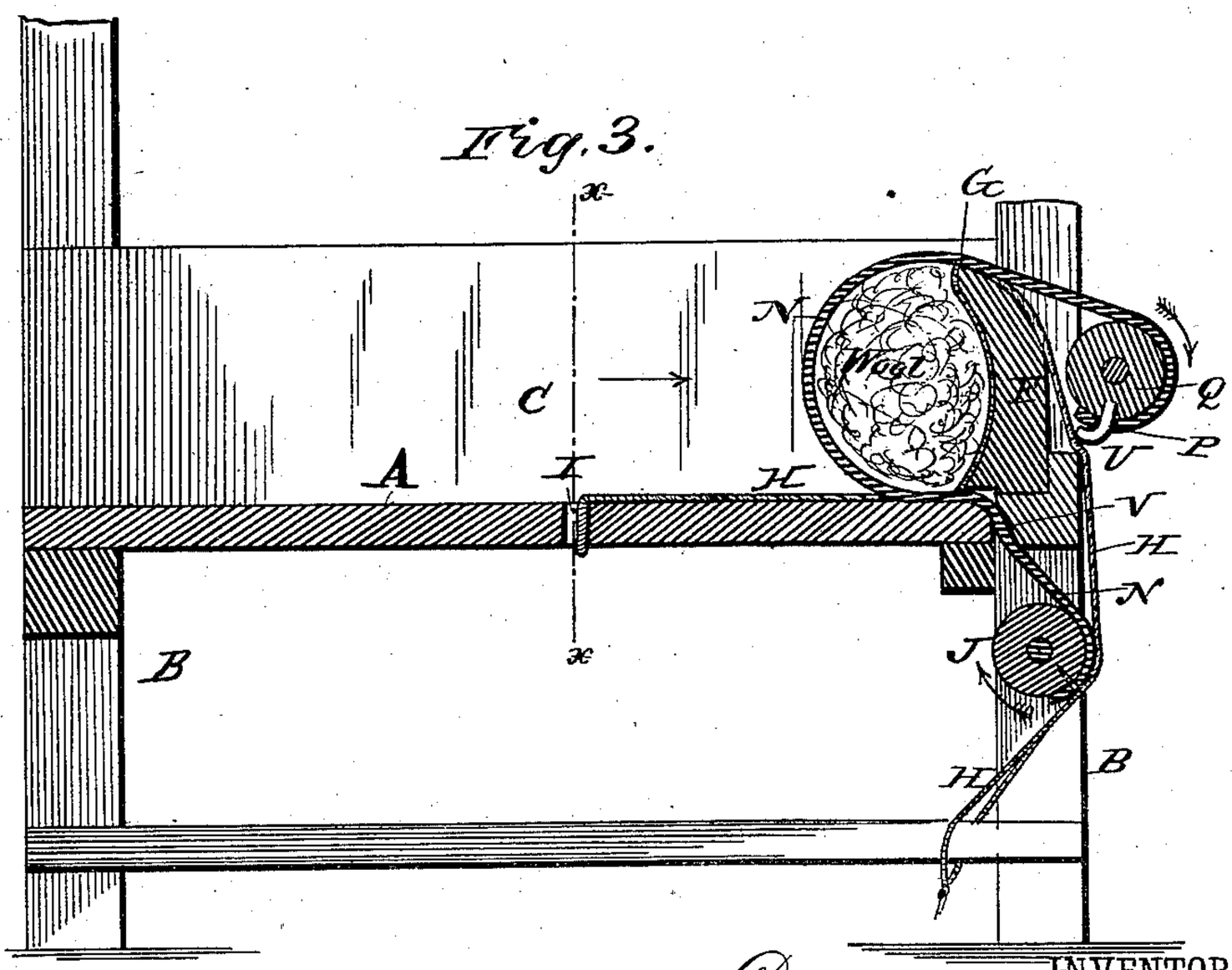


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID F. BROOKS, OF LAMPASAS, TEXAS.

WOOL-PRESS.

SPECIFICATION forming part of Letters Patent No. 293,941, dated February 19, 1884.

Application filed December 15, 1883. (No model.)

To all whom it may concern:

Be it known that I, DAVID F. BROOKS, a citizen of the United States, and a resident of Lampasas, in the county of Lampasas and State of Texas, have invented certain new and useful Improvements in Wool-Presses; and I do hereby declare that the following is a full, clear, and exact description of the invention, 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, which form a part of this specification, and in which—

Figure 1 is a perspective view of the machine ready for use. Fig. 2 is a similar view of the rear end of the machine after the wool to be packed has been placed in it and partially compressed. Fig. 3 is a longitudinal vertical section through the machine with a charge of wool to be packed. Fig. 4 is an end view of the machine; and Fig. 5 is a vertical transverse section through line *x x* in Fig. 3, with the charge of wool removed.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to that class of wool-presses in which the wool is placed upon a table having hinged leaves upon its sides, which are folded up while packing, and in which the wool is rolled up and compressed in an apron having longitudinal slots for the passage of the tying-cords; and it consists in the improved construction and combination of parts of such a wool-press or wool-packer, as hereinafter more fully described and claimed.

In the accompanying drawings, A denotes the table or platform of the machine, which is supported upon and between end posts, B, a suitable height from the floor or ground. This table has a fixed side, C, and a hinged side, D, adapted to swing outwardly, as shown in Fig. 1 on Sheet 1 of the drawings, and to be held in place, when turned up into the closed position shown in Figs. 2 and 5, by means of turn-buttons E, or any other suitable fastenings adapted to engage the end posts. One end of the box or receptacle formed by the table A and its sides C D is closed by the fixed end-gate F, which is concaved and provided with a series of notches, G, forming rests for the tying-cords H. One end of the tying cord or cords is passed through slots I in table A, and the other end, after being passed over the equidistant notches G and down over the convex outside of the end-gate F, is attached to cleats or fastenings *b* on the end posts. Between said posts and below the table is journaled a drum or roller, J, adapted to be rotated by a lever or handle, K, and to be held in place by a ratchet, L, and pawl M; and upon this drum is fastened one end of an apron, N, of leather or other suitable material, which is provided with a series of parallel longitudinal slots, O, extending from end to end, and slightly enlarged at one end—viz., the free end of the apron—to form button-holes P.

Above the roller J, and back of the concaved end-gate F, is journaled another drum or roller, Q, similarly operated by a handle, R, and adapted to be held in place by a ratchet, S, and pawl T. This roller is provided with a series of fixed hooks, U, arranged in a line with the notches or cord-bearings G.

From the foregoing description, taken in connection with the drawings, the operation of my machine will be readily understood. The hinged leaf or flap D being opened and the leather apron N pulled out so as to cover the table, the tying cord or cords are properly arranged and the wool or fleece to be packed is placed upon the apron. The hinged side D is then folded up and properly fastened to the end posts, after which the free end of the apron is doubled around the wool, as shown in Figs. 2 and 3, and fastened with its free end to roller Q by means of the button-holes P and hooks U. Roller Q is then turned by turning the handle in the direction of the arrow, which winds the apron around it, thus compressing the charge of wool inside. After the apron has been drawn as taut as may be in this manner, handle R is let go, the drum or roller being held in its position by the ratchet S and pawl T, and the operator now turns the lower drum or roller, J, in the direction of the arrow by means of lever K. This draws the lower end of the apron through the slot V and around the roller, thereby still further compressing or compacting the wool between the apron and the concave F. When the apron has been drawn as taut as possible, the charge of wool is tied by the cords through the slots

in the apron, after which this is let go by releasing the pawls M and T from their respective ratchets, the package of wool is removed, and the apron is replaced in its former position, ready to receive a fresh charge of wool.

As a matter of convenience, I prefer to make one pair of the end posts sufficiently high to form, in conjunction with the hoop W and pole X, a sack-holder or support for holding a sack to receive the packages of wool.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the box or wool-receptacle provided with a hinged side and fixed concave end-gate, the slotted apron fitting in the bottom of the box, the drum or roller journaled below and at one end of the box, and having one end of the apron fastened to it, the upper roller provided with a series of hooks adapted to engage the free end of the apron, and means for rotating the rollers and holding the same fixed under tension, substantially as set forth.

2. The combination of the box or wool-receptacle having a series of slots in its bottom, and provided with a hinged side and fixed concave end-gate having notches registering with the slots in the bottom of the box, the slotted apron, the drum or roller journaled below and at one end of the box and having one end of the apron fastened to it, the upper roller provided with a series of hooks adapted to engage the free end of the apron, and means for rotating the rollers and holding the same in a fixed position under tension, substantially as set forth.

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

DAVID F. BROOKS.

Witnesses:

P. S. JENKINS,

JNO. T. JOHNSTON.