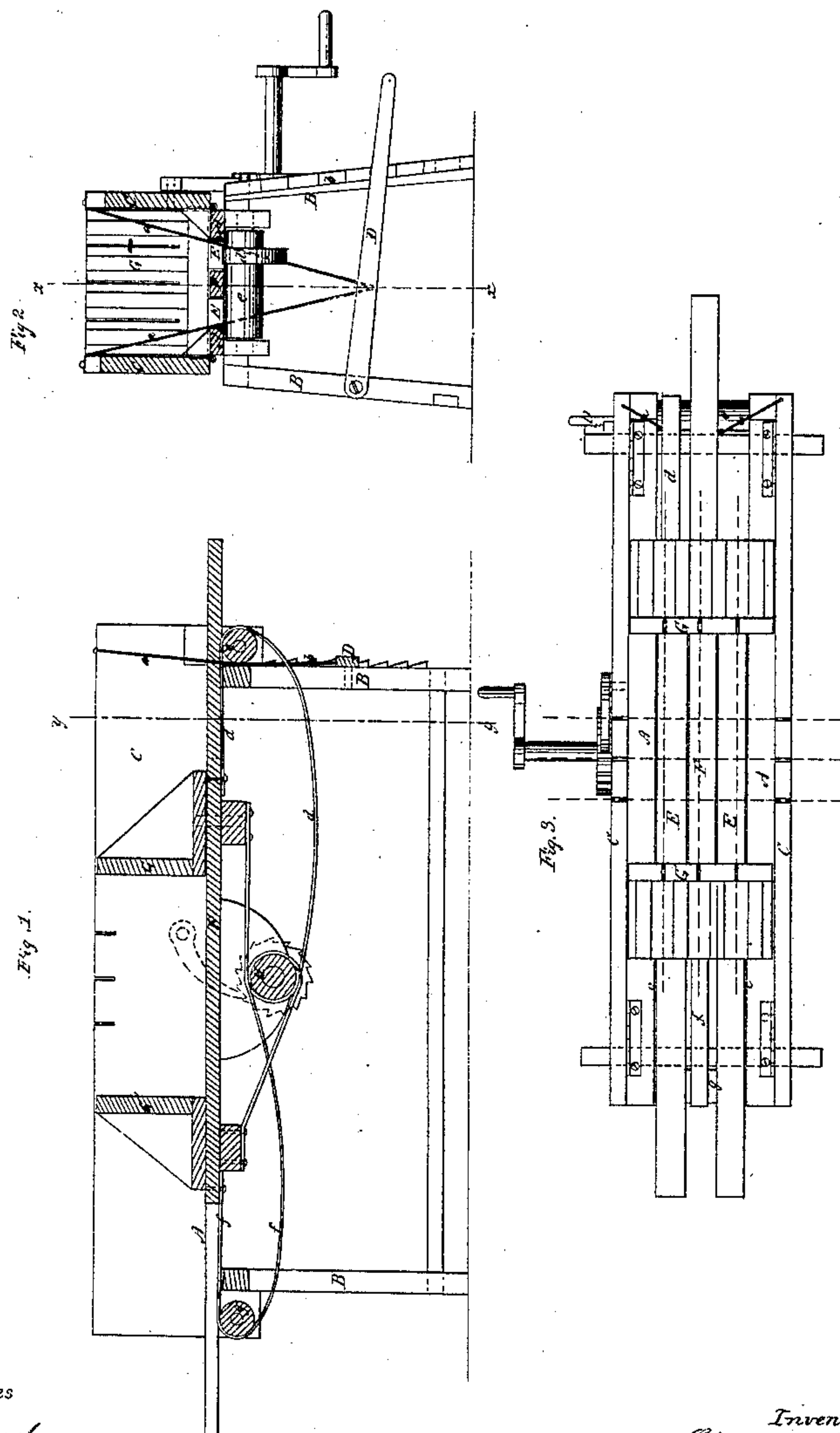


S. C. BOND.
WOOL PRESS.

No. 62,597.

Patented Mar. 5, 1867.



Witnesses
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SPENCER C. BOND, OF FARMERSVILLE, NEW YORK.

Letters Patent No. 62,597, dated March 5, 1867.

IMPROVED WOOL-PRESS.

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, SPENCER C. BOND, of Farmersville, in the county of Cattaraugus, and State of New York, have invented a new and improved Wool-Press; and I do hereby declare 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 drawings, forming part of this specification, in which—

Figure 1 represents a longitudinal vertical section of this invention, the line *x x*, fig. 2, indicating the plane of section.

Figure 2 is a transverse vertical section of the same, the plane of section being indicated by the line *y y*, fig. 1.

Figure 3 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention relates to a wool-press, the press-box of which is composed of two hinged wings and two sliding heads. The hinged wings compose the sides of the press-box, and they connect by cords or chains with a lever in such a manner that by depressing said lever the wings are turned up simultaneously. The movable heads are attached to rods which slide in a suitable recess in the platform or bottom of the press-box, and said rods are connected to two belts, the ends of which are secured to a windlass or drum in such a manner, that, by turning said windlass, the heads are drawn together and the operation of pressing is effected. By adjusting the cords or ropes in the proper position previous to putting the fleece in the press-box, the operation of tying the packs after they have been pressed is materially facilitated.

A represents the platform of my wool-press, which may be made of wood or any other suitable material. This platform is supported by suitable legs, B, and to its sides are hinged the wings C in such a manner that they can either be turned up to the position shown in the drawing, or down in the same plane with the platform. Said wings connect by ropes or chains *a* with a hand-lever D, which is pivoted to one of the legs B, so that by depressing said lever the two wings can be raised simultaneously. A serrated rack *b* is secured to one of the legs B, and serves to retain the lever in the desired position after the same has been depressed, and the wings C are prevented from falling back spontaneously. In the platform A is a recess, *c*, which serves as a guide for the slides E F, to which the heads G G' are secured, the slide E which carries the head G being slotted to admit the slide F which carries the head G', as shown particularly in fig. 3 of the drawing, so that the slide F is guided and steadied by the slide E. From the end of the slide E extends a rope or belt *d* over a roller *e* to a windlass H, and another belt *f* extends from the end of the slide F over roller *g* to the windlass H, said belts being connected to the windlass in such a manner that by turning the windlass in one direction the heads are made to move together, and by turning the windlass in the opposite direction the heads G G' are moved apart. Suitable kerfs or slits *h* in the edges of the wings and of the heads serve to adjust the ropes or cords which are required for tying the wool after the same has been compressed. When the press is to be put in operation, the heads G G' are moved apart and the wings C are turned up to a vertical position. The cords for tying the wool are then adjusted in the proper position, and, after the fleece has been thrown in the box, the windlass is turned so that the heads G G' move towards each other, and thereby the wool is compressed. A ratchet-wheel, *i*, and stop-pawl *j* serve to arrest the heads in the required position until the cords are properly tied. As soon as the operation is completed, the heads G G' are moved apart, the wings C are turned down, and the finished pack can be readily discharged. By this arrangement the operation of pressing wool is materially facilitated, less time and labor being required than with presses of the ordinary construction, and, furthermore, the packs are properly tied, and no part of the same is liable to get loose.

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

1. A wool-press composed of two hinged wings C, and two sliding-heads G G', in combination with the lever D and windlass H, all constructed and operating substantially as and for the purpose set forth.
2. The slotted slide E, with its head G, in combination with the single slide F, with its head G', constructed and operating substantially as and for the purpose described.

S. C. BOND.

Witnesses:

C. W. BOND,

J. T. CUMMINGS.