(No Model.)

T. C. H. KRUEGER.

FLEECE BINDER.

No. 304,530. Patented Sept. 2, 1884.

Fig. 1.

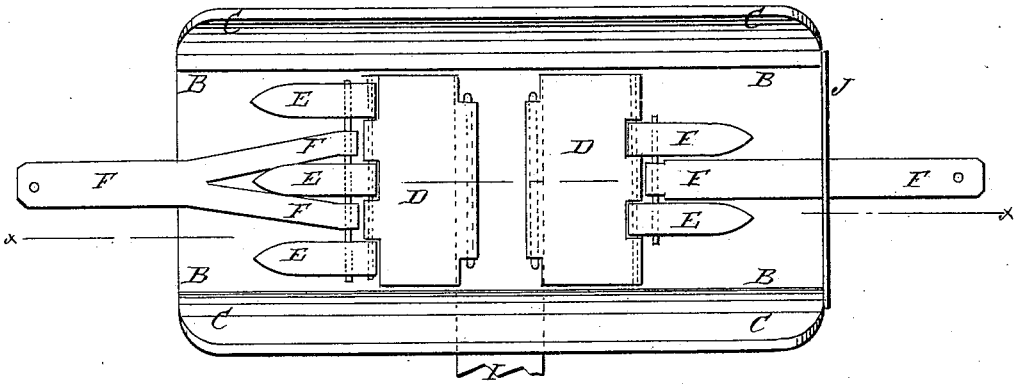


Fig. 2.

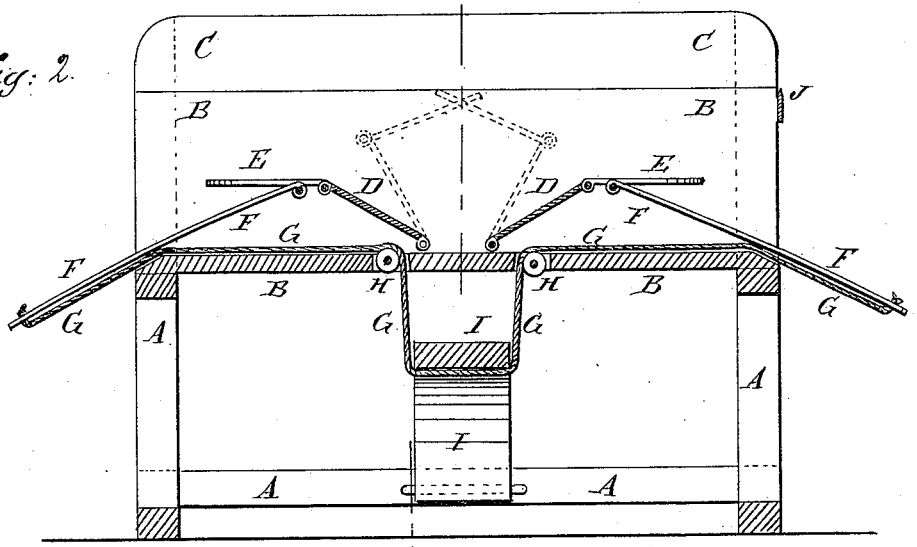
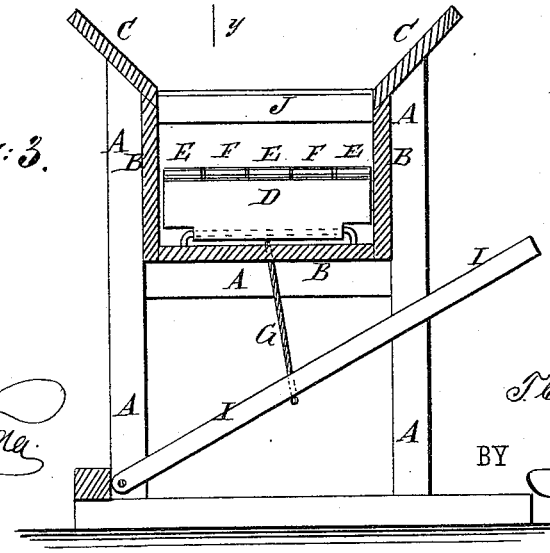


Fig. 3.



WITNESSES:

Chas. Nida.

C. Sedgwick

INVENTOR:

T. C. H. Krueger

BY Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

THEODORE C. H. KRUEGER, OF BRADY, TEXAS, ASSIGNOR TO HIMSELF AND JESSE G. BURNEY, OF SAME PLACE.

FLEECE-BINDER.

SPECIFICATION forming part of Letters Patent No. 304,530, dated September 2, 1884.

Application filed June 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, THEODORE C. H. KRUEGER, of Brady, in the county of McCulloch and State of Texas, have invented a new and useful Improvement in Fleece-Binders, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improvement. Fig. 2 is a sectional front elevation of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a sectional end elevation of the same, taken through the line *y y*, Fig. 2.

The object of this invention is to facilitate the rolling up and binding of fleeces of wool into compact bundles.

The invention consists in a fleece-binder constructed with a box attached to a supporting-frame, and having inclined flanges upon its side edges, and provided with hinged press-boards and fingers operated by push-bars, a cord, and a treadle, whereby the fleece can be compressed and held while being tied. To the ends of the sides of the box is attached a knife, so that all the twines of the bundle can be cut at a time, as will be hereinafter fully described.

A is the frame of the machine. To the upper part of the frame A is attached a box, B, open at the top and ends, and of such a width as will give the bundles the desired length.

To the upper edge of the sides of the box B are attached inclined flanges or wings C. The frame A, box B, and inclined wings C form the binding-table.

To the bottom of the box B, upon the opposite sides of and at a little distance from its center, are hinged the lower edges of two press-boards, D, to the upper edges of which are hinged the fingers E. The fingers of the two press-boards are so arranged that the fingers upon each side will be opposite the spaces between the fingers upon the other side, as shown in Fig. 1.

To the two sets of fingers E, at a little distance from their hinged ends, are hinged the inner ends of two bars, F, the outer ends of which project beyond the ends of the box B, and which rest and slide in inclined grooves in the upper sides of the said ends.

To the outer ends of the bars F are attached the ends of a cord, G, which passes inward along the upper sides of the end parts of the bottom of the box B, and passes downward and around pulleys H, pivoted in slots in the said bottom at a little distance from the hinged lower edges of the press-boards D. The middle part of the cord G passes around the treadle I, the rear end of which is hinged to the lower rear part of the frame A.

When left free, the various parts of the binder take the positions shown in Fig. 2.

In using the binder the fleece is spread over the box B, and its edges are turned in along the inclined flanges C. The ends of the fleece are then folded in and the treadle is operated with the foot, which draws upon the cord G and forces the bars F inward. The inward movement of the bars F first swings the fingers E inward and presses the upper part of the folded fleece down into the space between the press-boards D. As the bars F continue to move inward, the next effect is to force the fingers E inward and downward and swing the press-boards D inward, as indicated in dotted lines in Fig. 2, pressing the fleece into a compact bundle.

Twine is designed to be laid across the upper edges of the press-boards D, between the fingers E, before the fleece is spread over the box, so that the bundle can be tied while under the pressure of the fingers E and press-boards D. After the twines have been tied, they can be all cut at a time by drawing them across the edge of a knife, J, attached to the ends of the sides of the box B.

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

1. A fleece-binder constructed substantially as herein shown and described, and consisting of a box provided with hinged press-boards and fingers, and push-bars, and a cord and treadle, as set forth.

2. In a fleece-binder, the combination, with the frame A, box B, and inclined flanges C, of the hinged press-boards and fingers D E, and the push-bars F, cord G, and treadle I, substantially as herein shown and described, whereby the fleece can be compressed and held while being tied, as set forth.

3. In a fleece-binder, the combination, with the box B, of the knife J, substantially as herein shown and described, whereby all the twines of the bundle can be cut at a time, as set forth.

THEODORE C. H. KRUEGER.

Witnesses:

W. McSHAN,

I. G. SAMBRIGHT.