

(No Model.)

D. L. BYLER.
TREE PROTECTOR.

No. 334,743.

Patented Jan. 26, 1886.

Fig. 1.

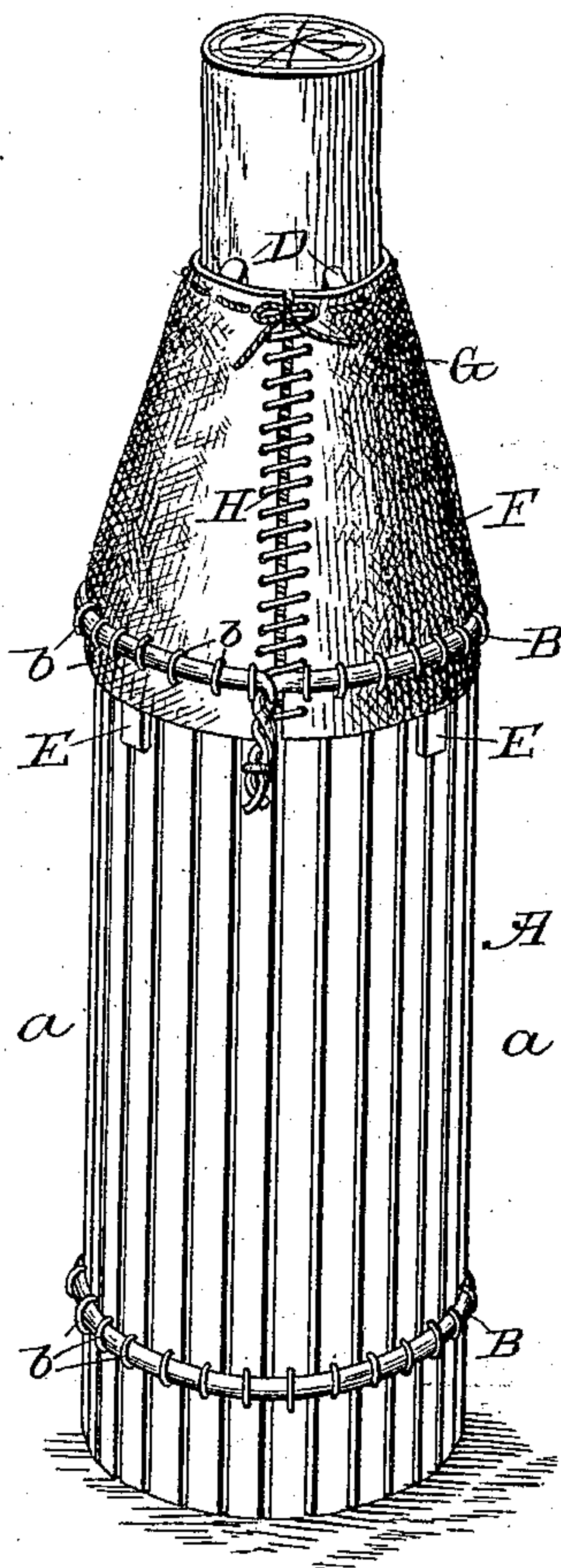


Fig. 3.

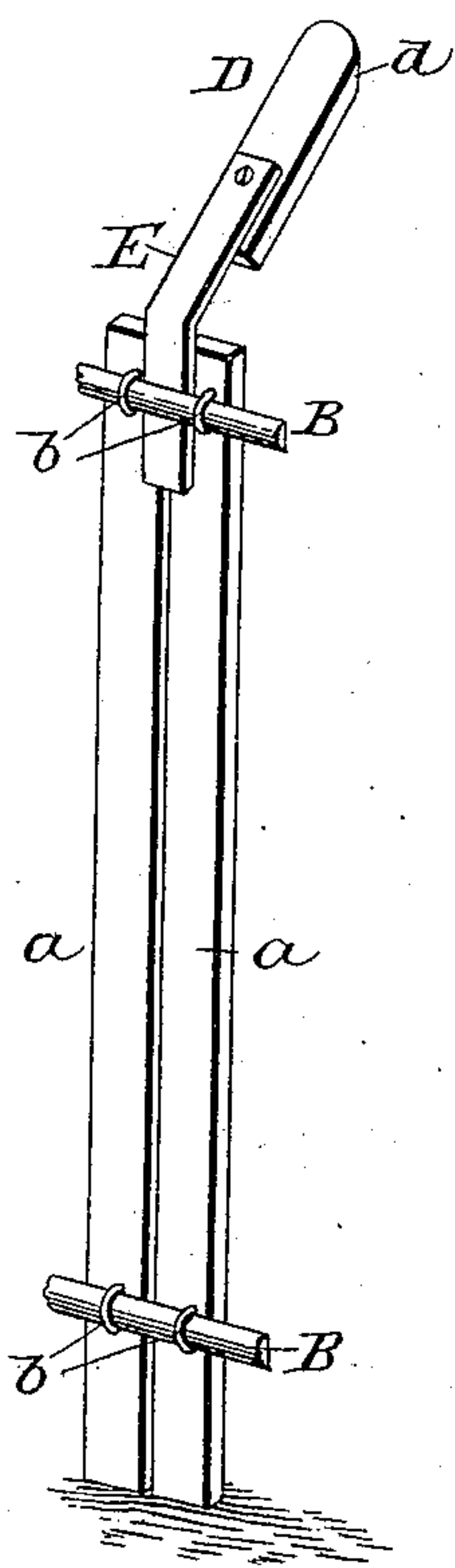


Fig. 4.

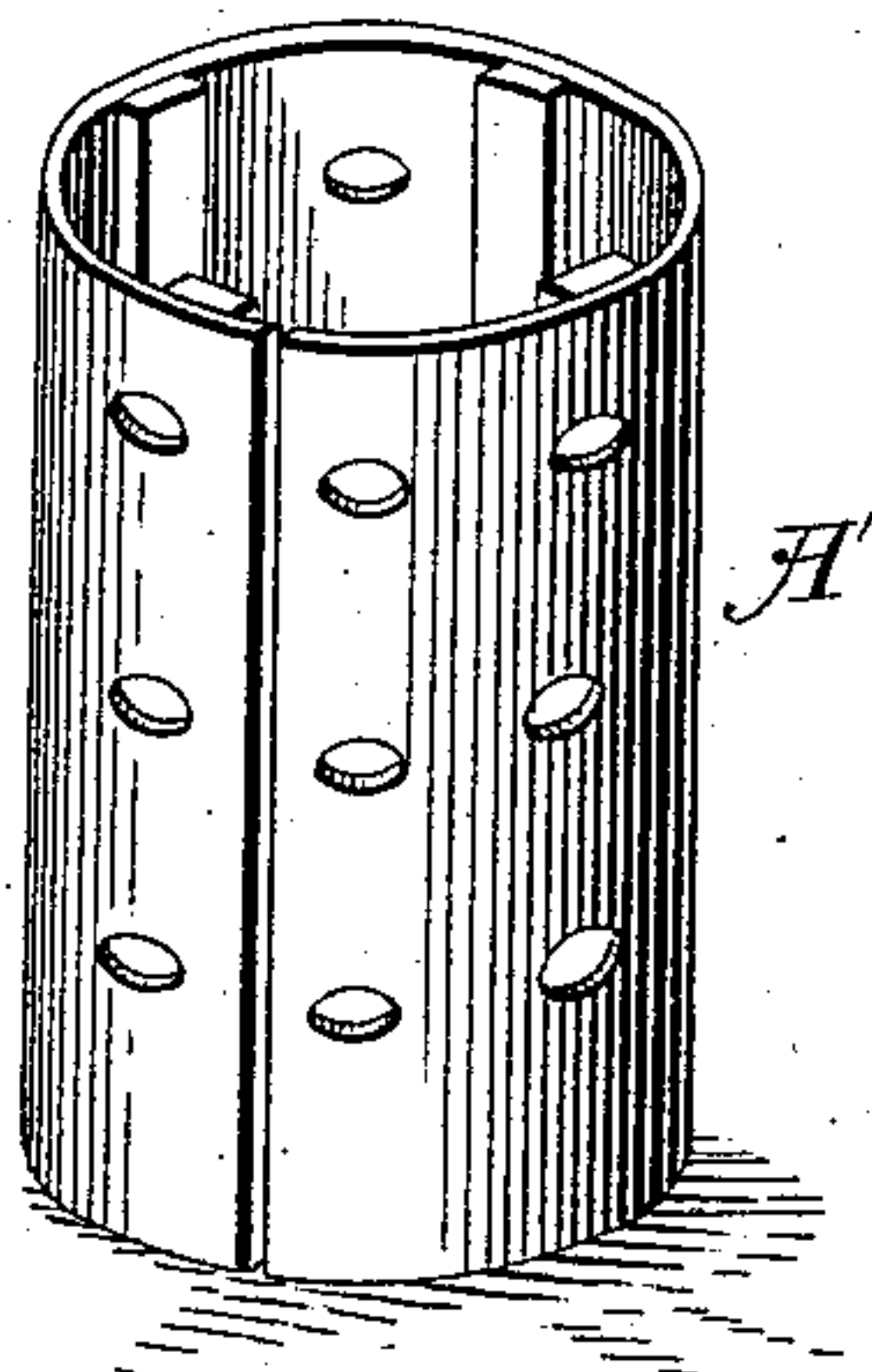
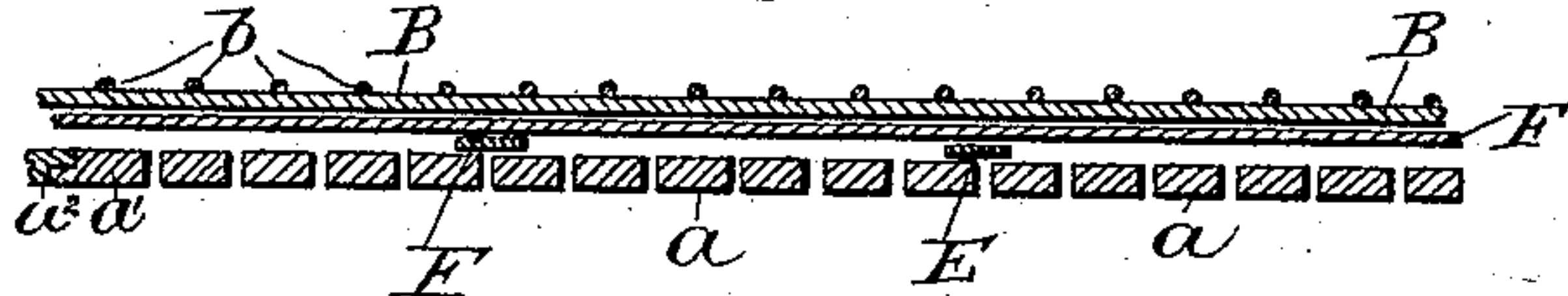


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

DAVID LILLY BYLER, OF CLINTON, MISSOURI.

TREE-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 334,743, dated January 26, 1886.

Application filed April 4, 1885. Serial No. 161,246. (No model.)

To all whom it may concern:

Be it known that I, DAVID L. BYLER, a citizen of the United States, residing at Clinton, in the county of Henry and State of Missouri, have invented certain new and useful Improvements in Tree-Protectors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in tree-protectors, the object of which is to provide a cheap, simple, and durable device for protecting the body of fruit, shade, ornamental, and other trees from sun-scald, ravages of rabbits and vermin—especially designed to keep out the insect that lays the egg that produces the borer that works at the root and on the body of the trees; and at the same time this device admits a perfect circulation of air around the body of the tree. These objects I attain by means of the device illustrated in the accompanying drawings, forming a part of this specification.

Figure 1 is a view in elevation of the entire device. Fig. 2 is a sectional view of the same. Fig. 3 is a view of a portion of a box with the cloth F removed to show the supports E D. Fig. 4 is a modification of the bottom of the device.

Similar letters indicate corresponding parts in the several figures.

A is a box or frame formed of slats, and secured to each other by means of wire or other suitable bands. This boxing may be made of any desired size and length. The slats *a* are preferably made of lath, and stand upright, forming a circle around the body of the tree, the lower end preferably extending a little below the surface of the ground. The end slats, where the box or frame is brought together, may be square, but are preferably rabbeted, as at *a'* *a''*, for lapping by each other, so as to form a tight joint.

B B are bands of wire or other suitable material, which are secured to the slats by means of staples *b*, driven into or through the slats and over said bands. The end slats are then brought together, and the ends of the bands which extend beyond the slats are twisted together and secured by a staple or other suitable means.

D are supports, made of any suitable material, preferably a short piece of lath having a narrow strip of tin, E, tacked or otherwise secured to it. Said tin is also slipped down between the frame and upper band B, for supporting the lower end of the pieces D, the upper end of said pieces being beveled, as at *d*, to fit closely to the tree for making a support for the canvas or cloth F. Said cloth is secured by any suitable means, preferably by driving the staples which hold the upper band through it. The edges of said cloth are fastened together by means of a wire, H. The upper edge of said cloth is preferably provided with a draw-string, G, for securing the same closely around the tree.

The device thus formed or any part of it may be dipped in hot coal tar or other material for preserving the wood, and at the same time assisting in keeping off the insects, &c. It also protects the tree from sun-scald and rabbits, and is easily removed and replaced when desired.

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

1. A frame or box, A, consisting of slats *a*, bands B, and staples *b*, in combination with supports D, pieces E, and canvas F, substantially as described.

2. A frame or box composed of slats *a*, set close together, the end slats being rabbeted, as shown, bands B B, secured to the slats by staples *b*, the ends of the bands extending beyond the slats being twisted together and secured by a staple, substantially as described.

3. The combination, with a box made of slats *a*, bands B B, and staples *b*, of supports D, having beveled pieces E, by which said supports are secured to the box, and canvas F, secured around the box and provided with draw-string G, to secure it to the tree, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID LILLY BYLER.

Witnesses:

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A. C. AVERY.