(No Model.)

W. S. KNAPP.

TREE PROTECTOR.

No. 464,879. Patented Dec. 8, 1891.

Fig. 1.

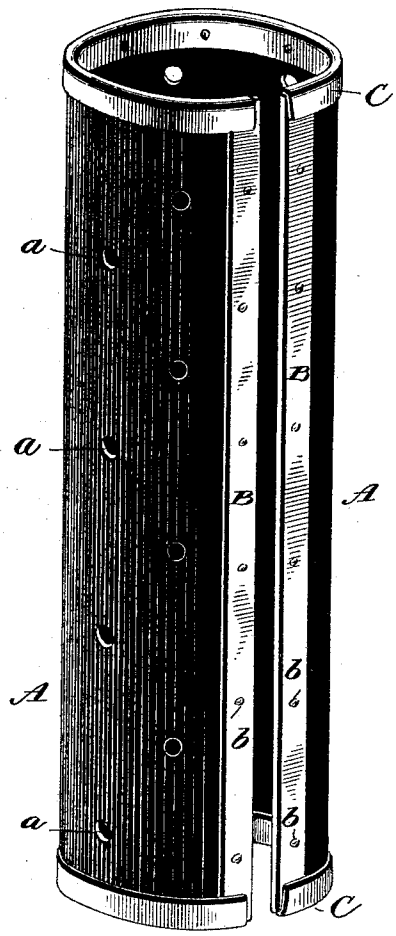
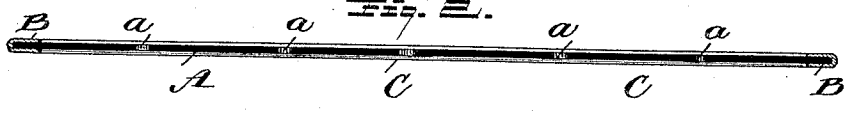


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

WOODBURY S. KNAPP, OF NORTH LEEDS, MAINE.

TREE-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 464,879, dated December 8, 1891.

Application filed August 13, 1891. Serial No. 402,512. (No model.)

To all whom it may concern:

Be it known that I, WOODBURY S. KNAPP, a citizen of the United States, residing at North Leeds, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Tree-Protectors; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in tree-protectors; and it has for its objects among others to provide an improved protector which shall be capable of expanding as the tree enlarges in diameter and which can be kept upon the tree during the winter and through the hot weather, being provided with perforations for ventilation. I form the protector preferably of tarred paper, which in itself will serve to keep the insects from attempting to get at the tree, and the body of the protector is provided with a binding of sheet metal, preferably tin, and provided with perforations.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a perspective view of my improved tree-protector. Fig. 2 is a longitudinal section thereof.

Like letters of reference indicate like parts in both views where they occur.

Referring now to the details of the drawings by letter, A designates the body of the device, which is preferably of tarred paper of the desired length and width, and preferably provided with a plurality of perforations *a* for ventilation, and this body portion is bound by a binding B of some light sheet metal, preferably tin, which is secured by doubling the metal over the edges of the paper and fastened thereto by indenting the metal, as seen at *b*, or otherwise. Around the ends of the body portion are bent the pieces C, which also embrace the pieces B, as seen best in Fig. 1, and which may be held thereto in any suitable manner.

In practice the protector is placed around the tree, and it may then be held there either by letting it rest upon the ground or by overlapping the edges of the protector. The binding will hold the protector in its position and will possess sufficient resiliency to adapt it to unfold as the tree enlarges in diameter, and yet have sufficient grasping power to hold it from unfolding or falling off. The tarred paper will tend to keep away insects, and the perforations provide sufficient ventilation to prevent sweating, and thus allow the protector to be left upon the tree during the hot season.

The protector is cheap, durable, and efficient, and may be made of varying sizes to suit the varying diameters of trees.

What I claim as new is—

The tree-protector described, consisting of a body portion of perforated tarred paper, binding-strips embracing the adjacent edges of the body portion, and binding-strips embracing the ends of the body portion and the ends of the edge strips, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WOODBURY S. KNAPP.

Witnesses:
HENRY I. EMERSON,
WILLIAM P. LAMBERT.