

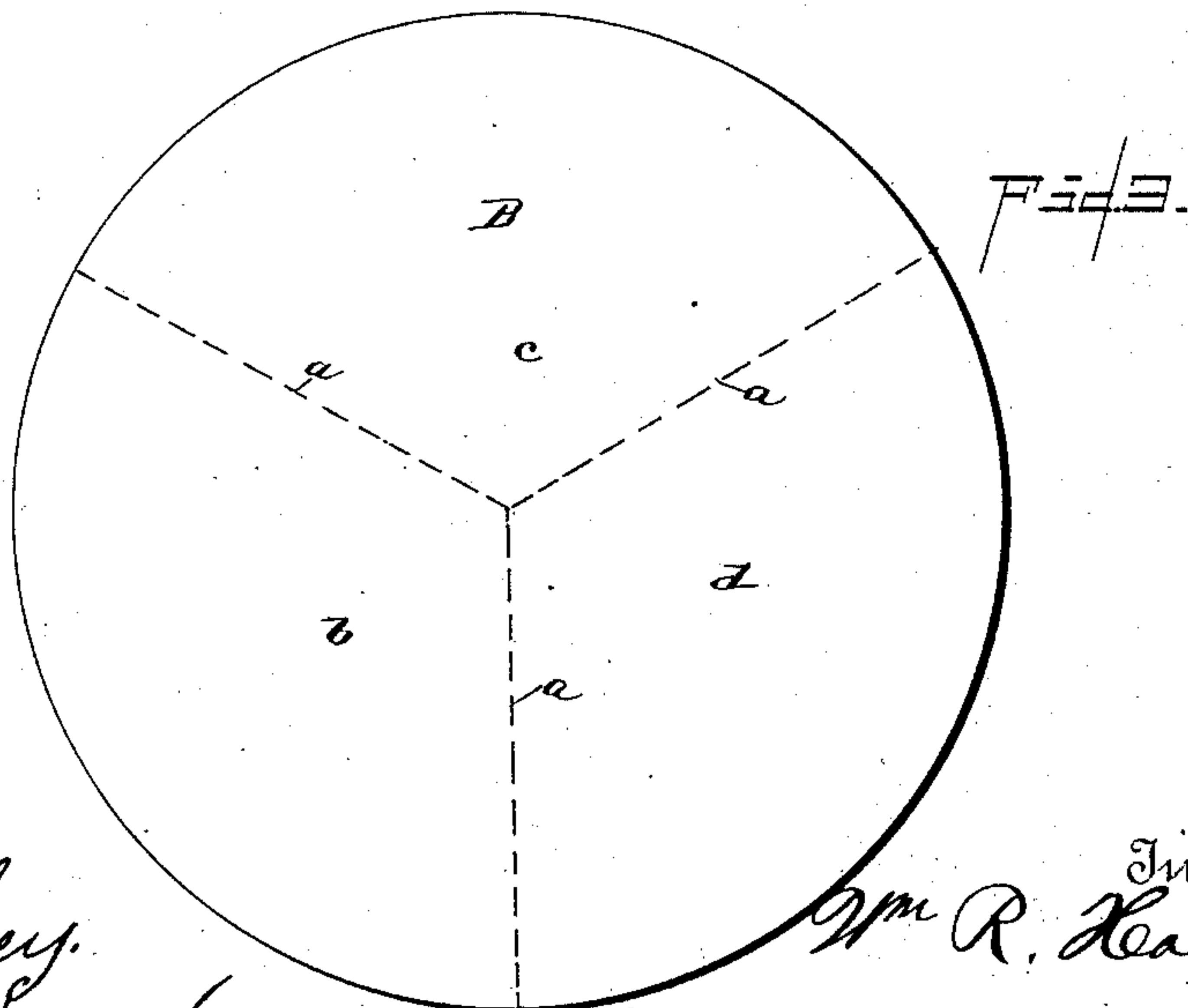
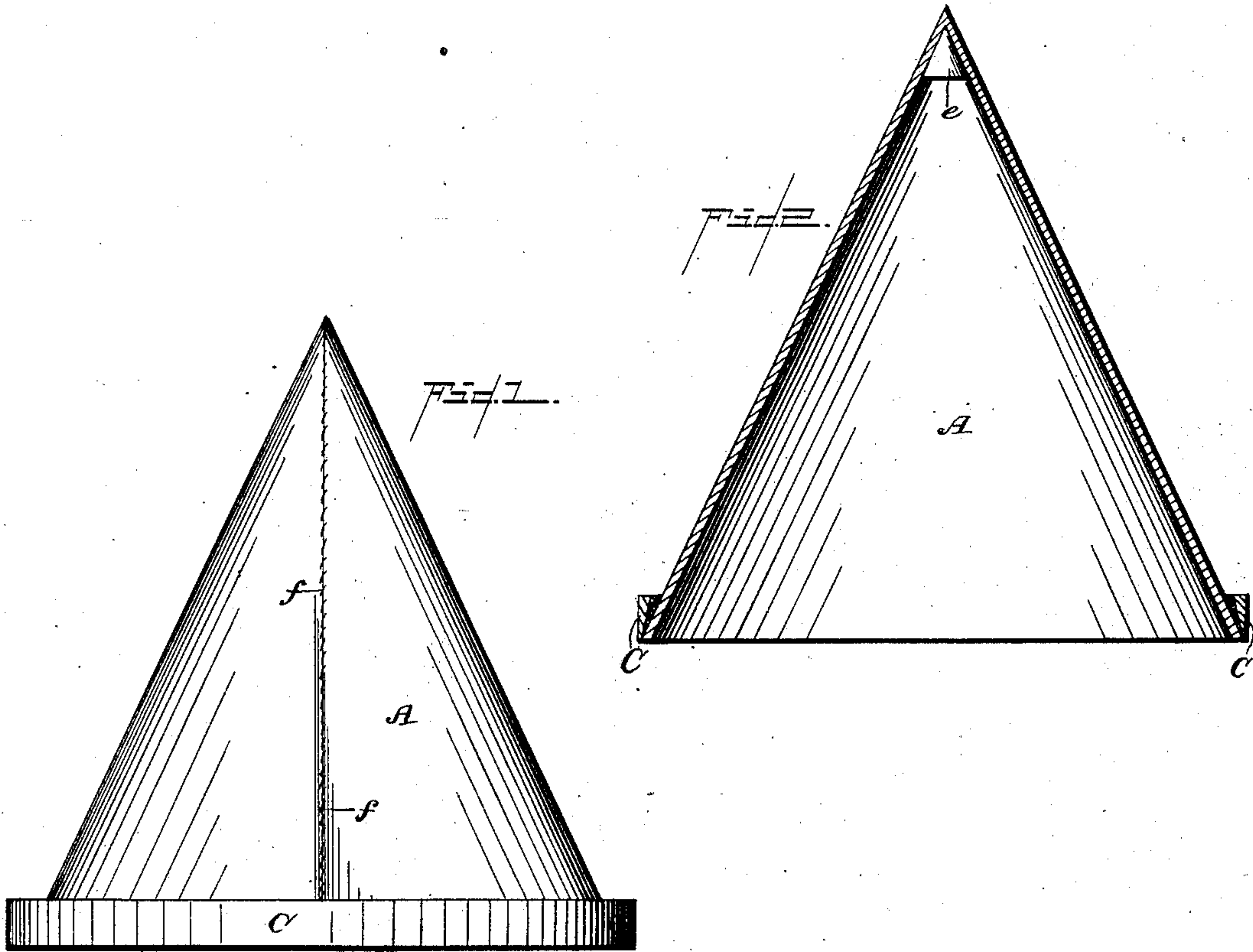
(No Model.)

W. R. HALLOCK.

PLANT PROTECTOR.

No. 374,302.

Patented Dec. 6, 1887.



Witnesses

W. H. Humphrey.

John H. Siggers

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UNITED STATES PATENT OFFICE.

WILLIAM RHODES HALLOCK, OF BRAIDEN TOWN, FLORIDA.

PLANT-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 374,302, dated December 6, 1887.

Application filed July 6, 1887. Serial No. 243,575. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM RHODES HALLOCK, a citizen of the United States, residing at Braiden Town, in the county of Manatee and State of Florida, have invented a new and useful Improvement in Plant-Protectors, of which the following is a specification.

My invention has reference to plant-protectors; and it consists in the improved construction hereinafter described and set forth, whereby a cheap, efficient, and durable protector is formed that may be quickly made and conveniently transported.

In the accompanying drawings, forming part of this specification, Figure 1 is an elevation of a plant-protector embodying my invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a diagram illustrating a step in the manufacture of the improved plant-protector.

A represents a conical shell of paper or paper-pulp. Such shell may be formed by molding or otherwise. I prefer, however, to make the shell by a method comprehended by an inspection of the diagram, Fig. 3. In said figure, B represents a circular blank of paper or paper-board. This board is divided, as represented by the lines *a*, so as to sever it into three sections, *b c d*, each of which has two angular and one curved edge. Each section is then bent to the form of a cone, so that the angular edges will be secured to each other by stitches *f*, or otherwise, the apex of the cone being constituted by the vertex of the angular edges. This method of manufacture admits of the cones being cheaply and quickly manufactured without the waste of any material. After the shell has been formed, I saturate or cover it with coal-tar, pitch, or other substance, so as to render the cone impregnable, not only to cold, but also water. A conical block, *e*, of wood is placed in the apex of the shell or cone in order to strengthen and re-enforce it. An annular band, C, of wood is secured around the base of the cone in order to protect and strengthen its bottom edge. The band C can be forced into the ground for

a sufficient distance to give the protector sufficient bearing to prevent accidental displacement. To allow for this the band is beveled, so that its lower edge is sharpened to more readily engage the ground.

It will be readily understood that the form of the protectors is such as to admit of their being "nested" or packed in series for transportation.

By reference to Fig. 2 it will be noted that the band C is so secured with relation to the shell that the sides of said band occupy a vertical position, which of course leaves an annular space or recess between the upper portion of the band and the adjacent shell. This recess is preferably filled in with some filling material adapted to present a tight joint and give the base additional strength. The upper edge of the band C forms an enlarged bearing, by which the lower edge of the protector and the lower edge of the band may be hammered or otherwise forced into the ground.

I claim—

1. A plant-protector consisting of a conical shell having a band secured around its base, said band occupying a vertical position with respect to said shell, so as to leave an annular space or recess, and a filling material in said recess, substantially as set forth.

2. In a plant-protector, the conical shell having a band secured around its base, said band occupying a vertical position and being tapered on its inner side, and leaving an annular recess or space between the band and the shell, filling material in said recess or space, the lower edge of the band being sharpened, to thereby more readily enter the ground, and the upper edge of the band being set away from the shell to form an enlarged bearing, as set forth.

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

WILLIAM RHODES HALLOCK.

Witnesses:

W. E. ROBINSON,
F. M. COOPER.