

No. 754,322.

PATENTED MAR. 8, 1904.

C. LEIGH.
PLANT PROTECTOR.

APPLICATION FILED NOV. 18, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

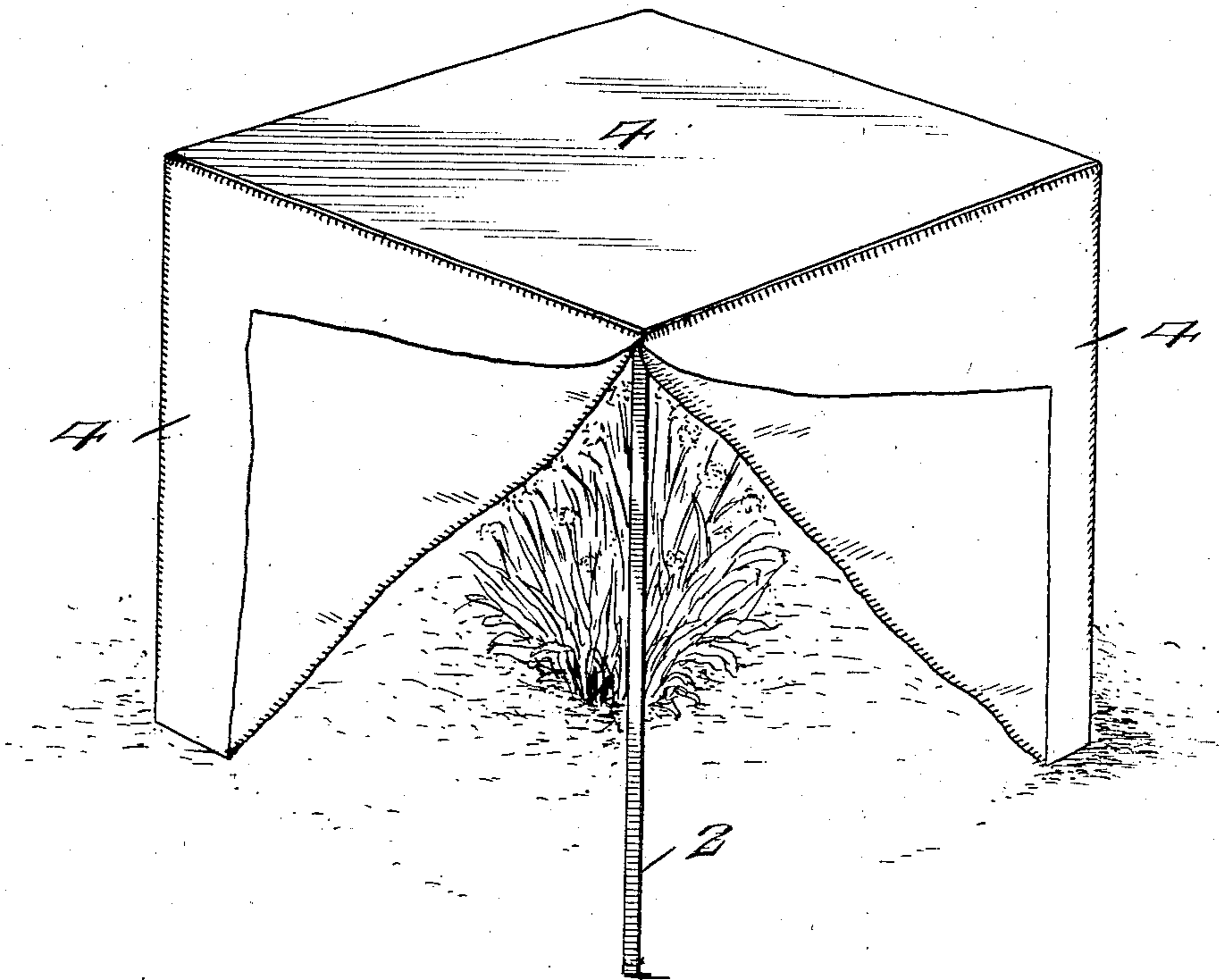
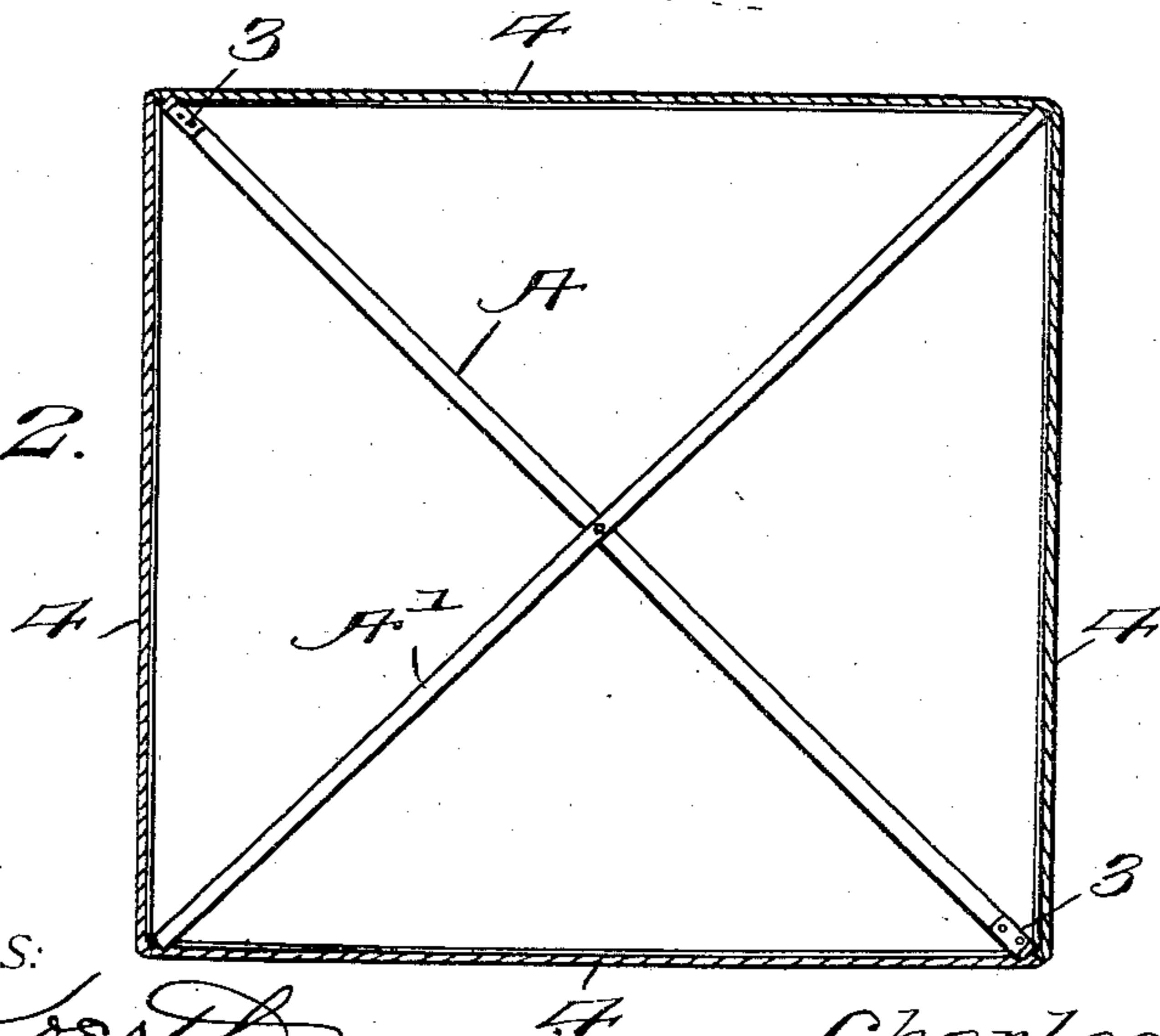


Fig. 2.



WITNESSES:

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2 SHEETS—SHEET 2.

Fig. 3.

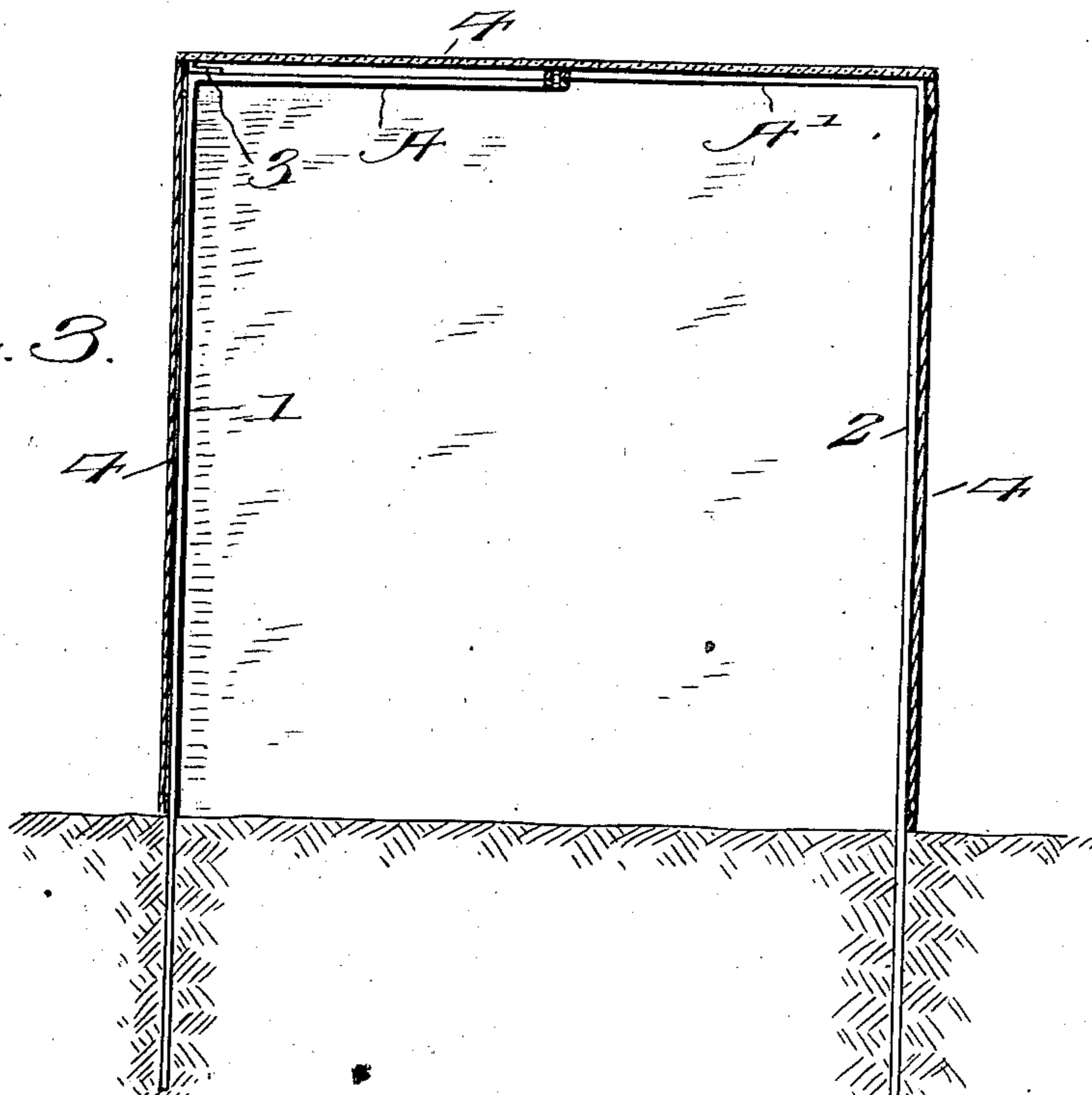
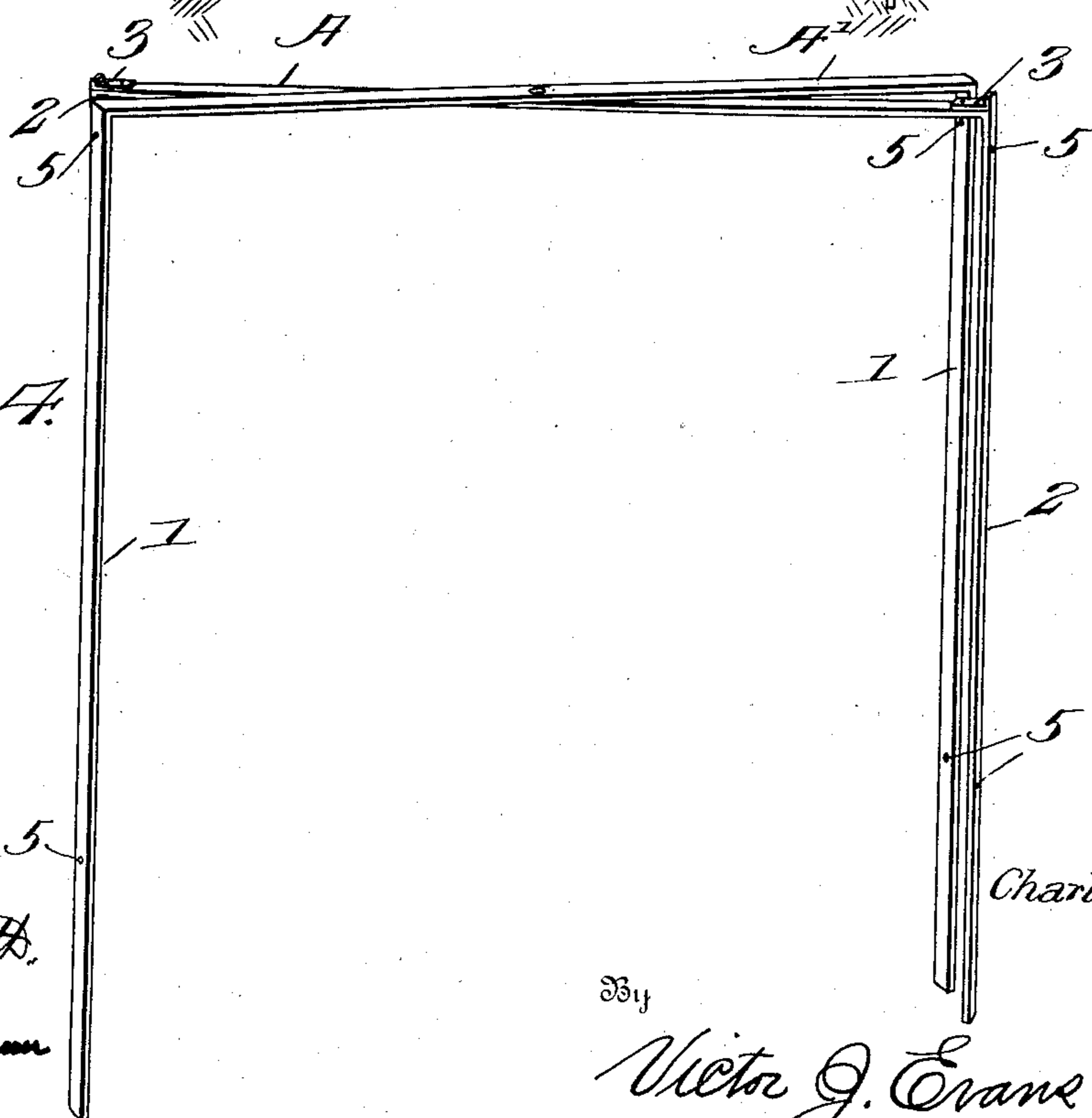


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES LEIGH, OF EVANSVILLE, INDIANA, ASSIGNOR OF ONE-HALF TO
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PLANT-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 754,322, dated March 8, 1904.

Application filed November 18, 1903. Serial No. 181,699. (No model.)

To all whom it may concern:

Be it known that I, CHARLES LEIGH, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented new and useful Improvements in Plant-Protectors, of which the following is a specification.

My invention relates to improvements in plant-protectors; and the object is to simplify and improve the existing art by providing a device of the kind named and for the purposes intended which is of simple construction, efficient in accomplishing protection, durable in use, easily applied and removed, and which may be stored and packed in a comparatively small space when not in use.

The invention embodies two supporting-bars formed with depending legs at their ends and pivotally connected at their centers and a flexible covering disposed over the supports when extended, all as will be hereinafter fully specified and the asserted novelty then particularly pointed out and distinctly claimed.

I have fully and clearly illustrated my improvements in the accompanying drawings, to be taken as a part of this specification, and wherein similar parts appearing in the several illustrations are designated by like notations.

Reference being had to the drawings, Figure 1 is a perspective view of the complete device as set up for use, showing two of the textile sides turned up and back. Fig. 2 is a top plan view of the supporting-bars and horizontal section through the side piece of the canvas covering, the top piece being removed. Fig. 3 is a vertical section showing the manner of securing the frame in position. Fig. 4 is a perspective view showing the frame as in folded condition.

A A' designate light metal strips or bars of such length as may be desired and having their ends turned down at right angles, as at 1 2, to form vertical supports or legs for the horizontal portions. The bars are crossed at their middle and there pivotally secured together, so that they may be swung apart on the pivot and stand at right angles to each other, as seen in Fig. 2 of the drawings, with the legs set at the corners of a square. The

frame is set in position by pushing the legs into the ground until the frame stands firm and at the proper height. The cross-bar A being the lower, it is provided at each end with a bracket 3, placed at the same plane as the upper face of the bar A', so that a board or glass covering may be placed on the frame and rest without shaking or rocking. Over the frame is drawn a textile covering or envelop 4, made with a square top and vertical side pieces, as shown, corresponding in size to the area of the sides and top of the cube formed by the frame when extended, as shown in the drawings. The envelop or cover of the frame may be made of two or more sections, which are fastened to the parts of the frame at the corners by any suitable fastenings strung through openings or apertures 5 in the legs of the frame and tied to keep the side pieces, flaps, or aprons in position.

The device is useful either as a shield to protect plants from the frost or from the attack of insect enemies common to vegetation and is also useful for promoting the growth of young plants.

To utilize the device as a protective from frost, it is set over the plants, as indicated in Fig. 1, and when utilized for the promotion of growth of the plants the side flaps or pieces of the textile closure are arranged around the frame and the top piece laid aside and the top covered with glass or left open, according to circumstances.

Having described my invention, what I claim is—

1. A plant-protector having two cross top bars pivotally connected to each other at their centers and provided with depending legs at right angles thereto, the said legs being rigidly attached to the bars and adapted to have their lower ends inserted in the ground, and a covering for enveloping the frame freely removable from and applicable to the latter, and having a square top and vertical side pieces, the lower edges of the vertical side pieces being loose, the angles between a part of the legs and bars having projecting means for holding another covering.

2. A plant-protector, comprising two cross

top bars pivotally connected at their middle
and formed with legs to support them, brack-
ets mounted on the ends of the under cross-
bar on a plane with the surface of the upper
5 cross-bar, and an inclosing textile about the
frame, having a flat top piece to engage the
top bars, substantially as described.

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

CHARLES LEIGH.

Witnesses:

GEO. RUPP,

EDWARD PREGLER.