

(No Model.)

G. A. SMITH.
PLANT PROTECTOR.

No. 541,695.

Patented June 25, 1895.

FIG. 1.

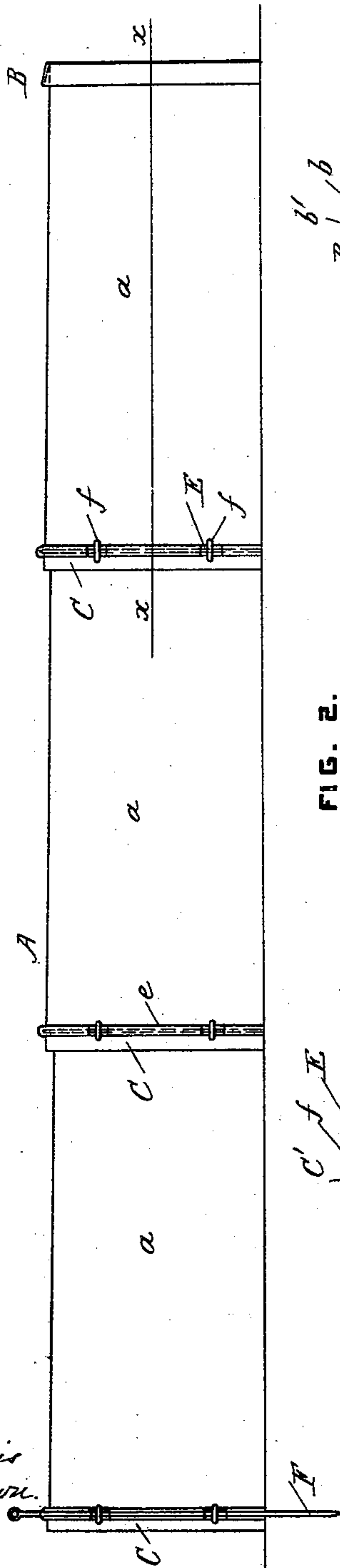


FIG. 2.

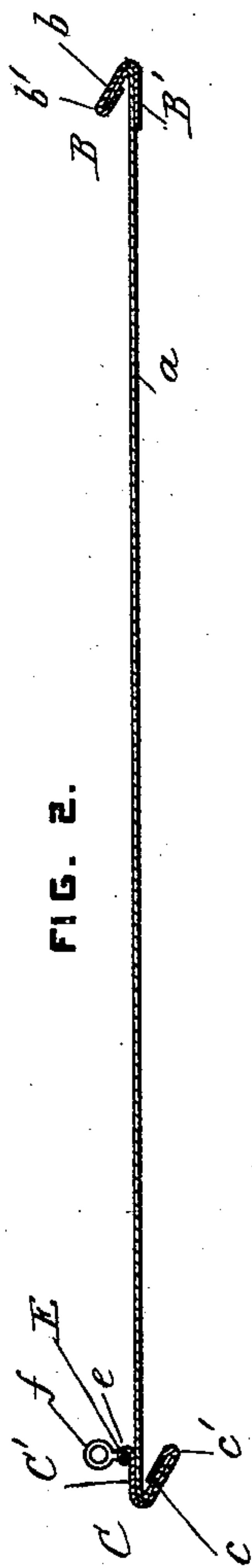
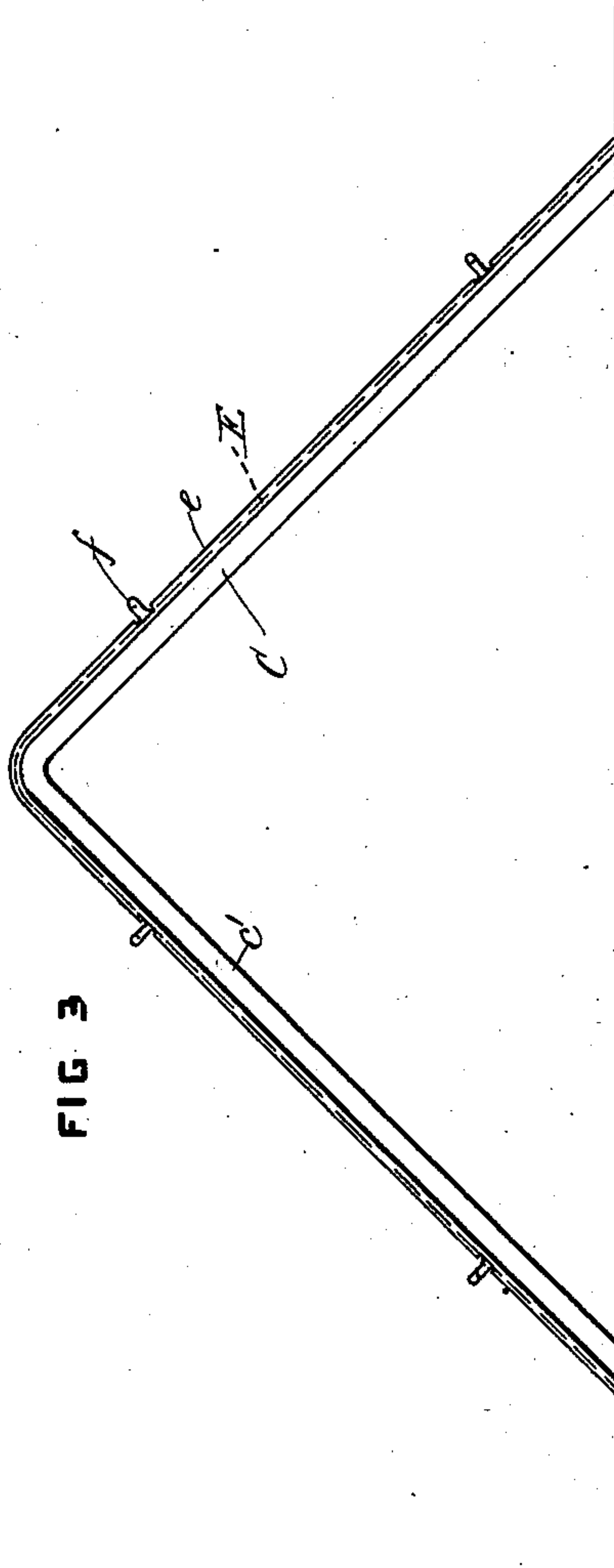


FIG. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE A. SMITH, OF CHARLESTON, SOUTH CAROLINA.

PLANT-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 541,695, dated June 25, 1895.

Application filed April 25, 1895. Serial No. 547,159. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. SMITH, a citizen of the United States, residing at Charleston, in the county of Charleston and State of South Carolina, have invented certain new and useful Improvements in Plant-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.

This invention relates to devices for protecting growing plants from rain, wind and frost; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of several sections of the plant-protector. Fig. 2 is a longitudinal section taken on the line $x\ x$ in Fig. 1, and drawn to a larger scale. Fig. 3 is an end view of one of the sections.

The plant protector consists of a series of similar interlocking sections A. Each section consists of an angular cover a of waterproof translucent material. For this purpose waterproof paper is preferred, the paper being treated with suitable substances of a wax-like nature. The paper covers are bent to an angle of about ninety degrees, and the ends of the cover are bent over in opposite directions forming flanges b and c .

B is a locking strip secured to the upwardly projecting flange b . This strip B has its upper portion b' bent double and arranged to clip the flange b tightly, and its lower portion B' extends horizontally under the cover and supports and strengthens it. The upper portion b' is set at an acute angle to the lower portion B' .

A locking strip C is secured to the downwardly projecting flange c . The upper part C' of this strip extends horizontally over the cover, and its lower portion c' is bent double and is arranged to clip the flange c tightly. The lower portion c' is set at an acute angle to the upper portion C' , so that the locking strips of adjacent sections may engage with

each other and permit the protector sections to form a continuous protector when placed together in position. The upper part C' of the strip C is provided with a bead e for strengthening it and securing the wire E in position. The wire E is provided with eyes f projecting upwardly through notches in the bead.

F are anchor rods. These rods are thrust through the eyes f into the ground on each side of the protector and secure its sections in position.

The sections are very light and portable, and nest together in piles when not in use. When piled together the sections take up but little floor space and are easily stored and taken to the field when required in use.

The sections are interlocked, and fastened to the ground at intervals, as shown in Fig. 1, over the growing plants, and they protect them from all bad weather and too much sun.

The translucency of the waterproof paper prevents the plants from bleaching, and on account of the peculiar form of the locking strips any section can be taken up when required without disturbing the remaining sections.

What I claim is—

1. A plant protector, comprising a series of interlocking sections having covers of translucent waterproof material, substantially as set forth.

2. A plant protector, comprising a series of interlocking sections having covers of waterproof material and eyes at the ends of the sections; and slidable anchor rods engaging with the said eyes, substantially as set forth.

3. In a plant protector, the combination, with a cover of waterproof material having its ends bent over in opposite directions, of locking strips secured to the said ends and having their upper and under portions arranged at acute angles, substantially as set forth.

4. In a plant protector, the combination, with a cover of waterproof material having its ends bent over in opposite directions and

at acute angles with the cover, of a locking
strip extending under the cover and having
its upper portion bent double and secured to
the upwardly projecting end flange of the
5 cover, and a locking strip extending over the
cover and provided with a strengthening bead
and a wire having eyes for the anchor rods,
and having its under portion bent double
and secured to the downwardly projecting

end flanges of the cover, substantially as set
forth.

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

GEORGE A. SMITH.

Witnesses:

JAS. E. BURGESS,

A. C. ANDERSON.