

No. 756,123.

PATENTED MAR. 29, 1904.

M. B. LEWIS.
PLANT PROTECTOR.
APPLICATION FILED FEB. 19, 1903.

NO MODEL.

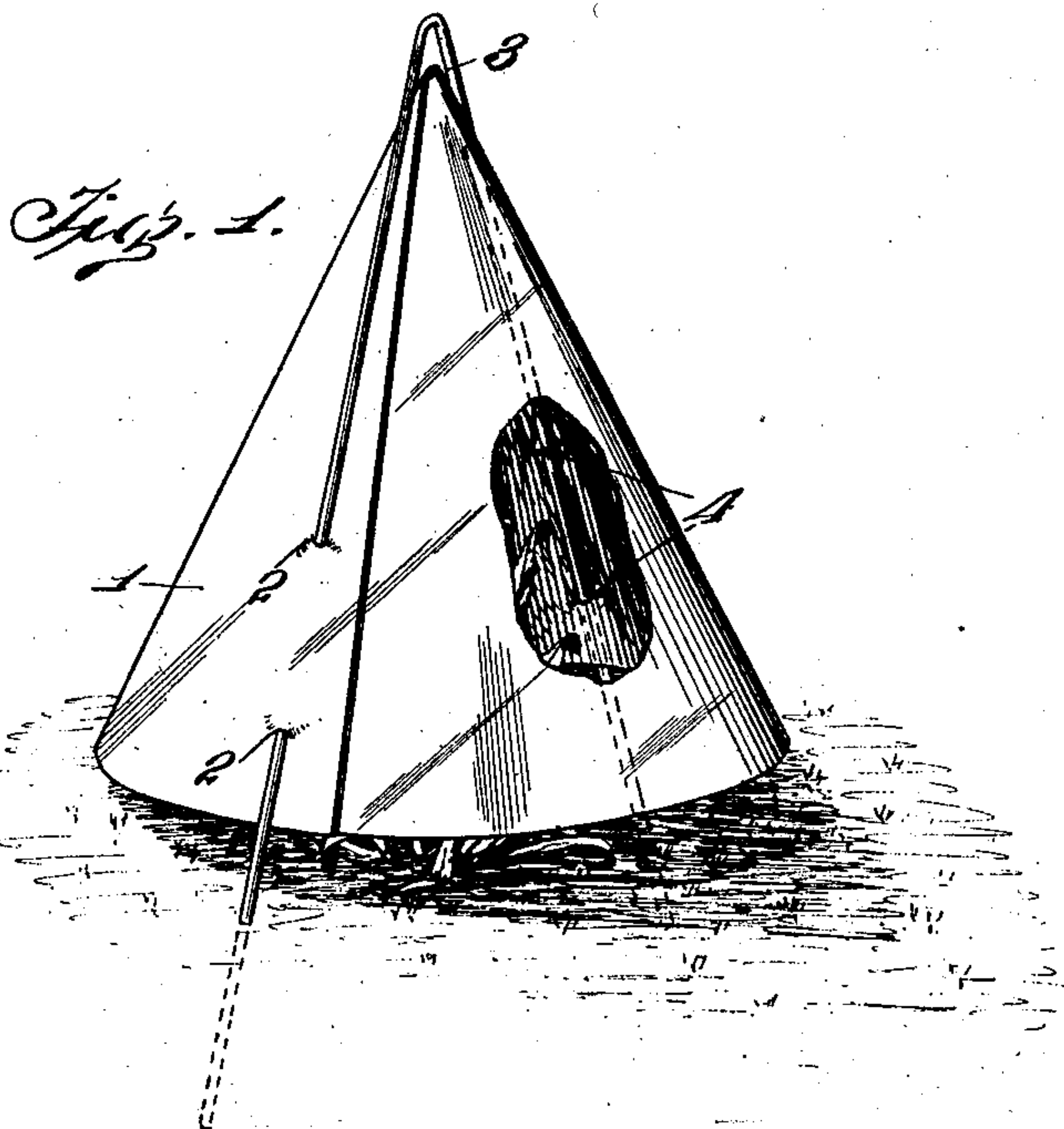
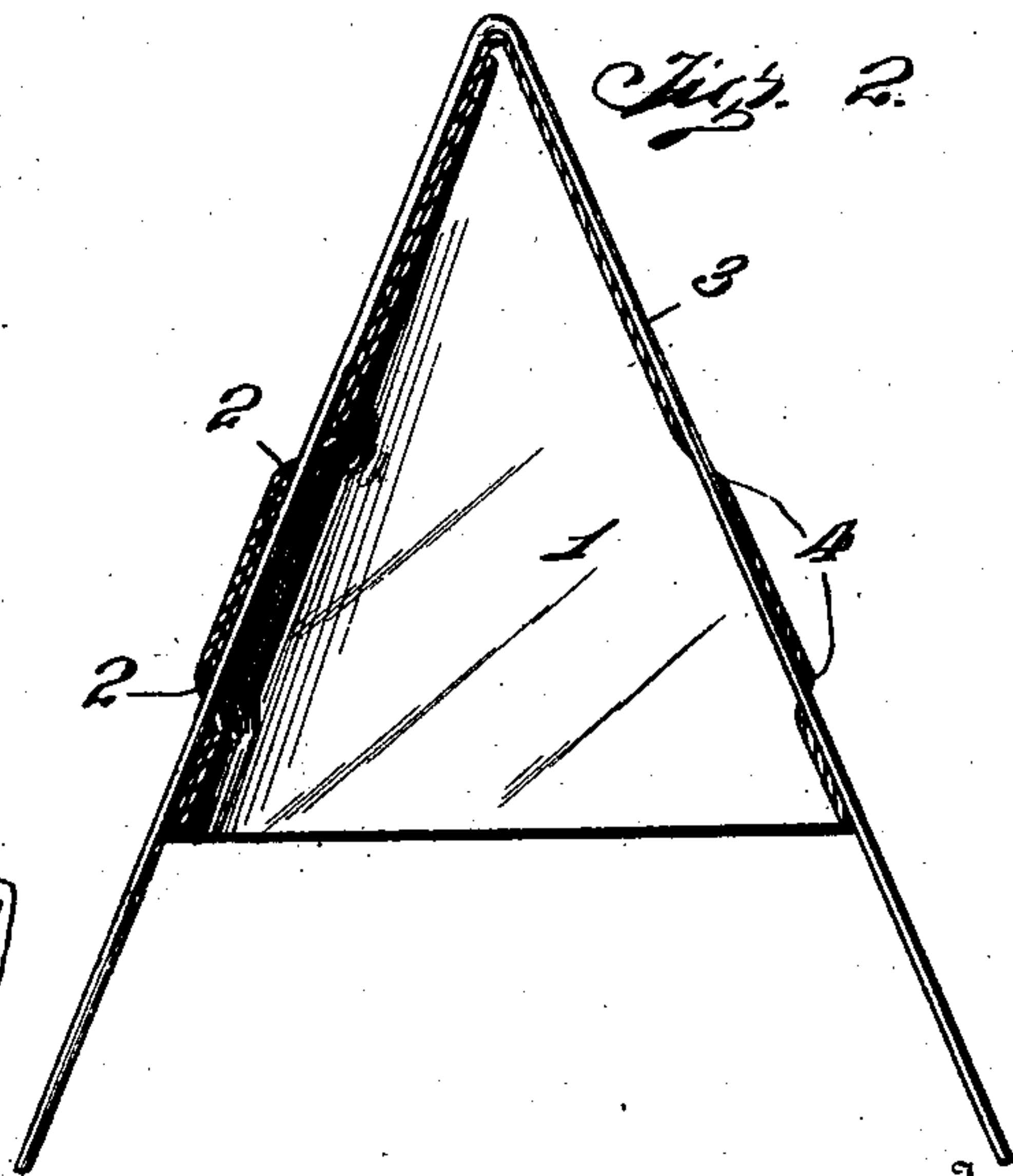
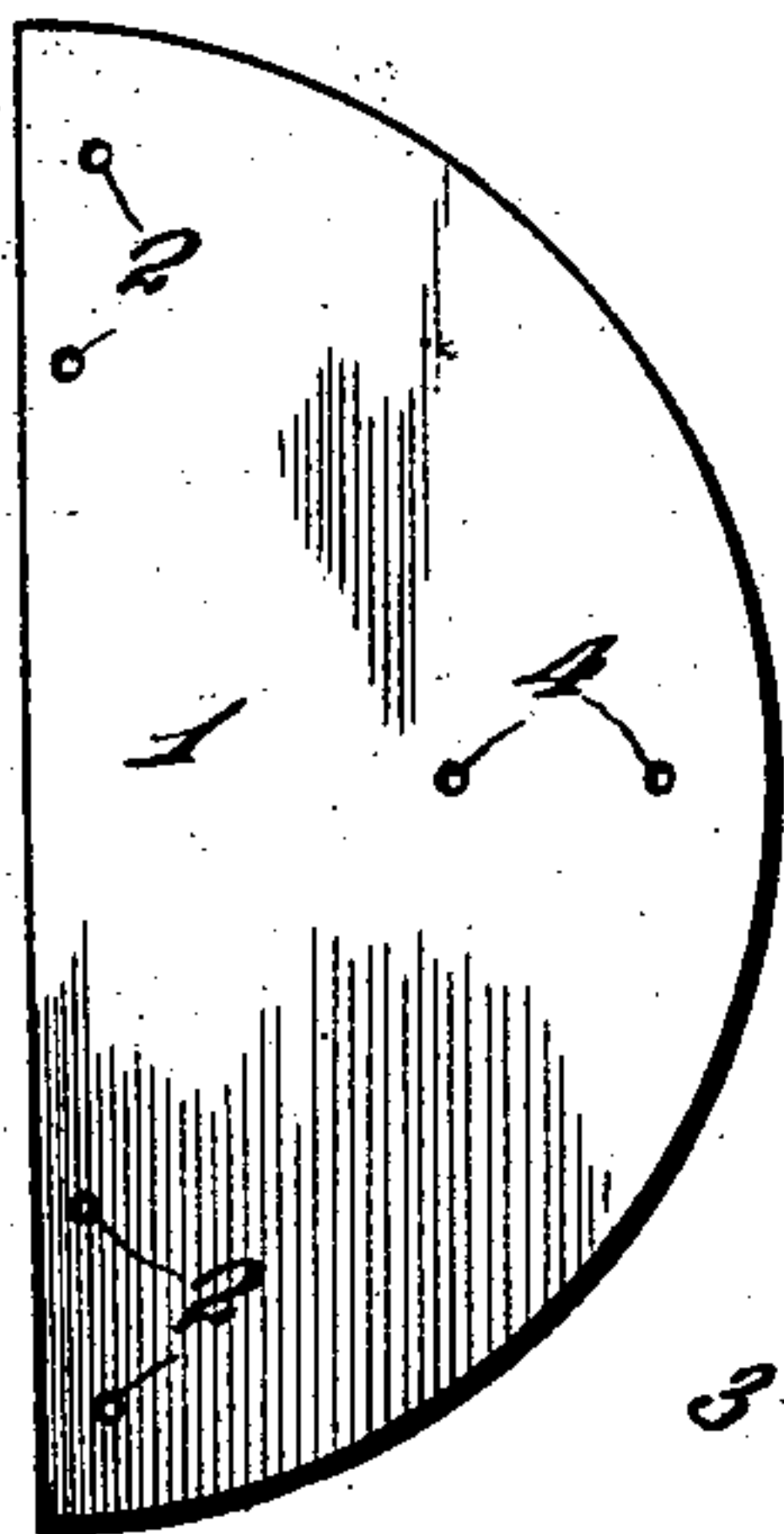


Fig. 3.



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PLANT-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 756,123, dated March 29, 1904.

Application filed February 19, 1903. Serial No. 144,106. (No model.)

To all whom it may concern:

Be it known that I, MARCELLUS B. LEWIS, a citizen of the United States, residing at Enterprise, in the county of Clarke and State of Mississippi, 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.

My invention relates to improvements in plant-protectors.

The object of the invention is to protect the plant from the sun's rays and climatical changes.

Another object of the invention is the construction of a device whereby the amount of light and air admitted to the plant can be controlled.

The invention consists in providing a suitable hood and spring-actuated anchoring means therefor.

The invention further consists in the construction of a hood formed from a piece of suitable material and spring-actuated means for retaining the said hood in its normal folded condition and also retaining the same over a plant without the use of auxiliary fastening means, the one means serving both to hold the meeting ends of the hood together and to support and retain the hood in position.

The invention further consists in the combination of parts and details of construction, as is fully described hereinafter and illustrated in the accompanying drawings.

In the drawings, Figure 1 is a perspective view of the invention. Fig. 2 is a vertical cross-section of the same, the support being shown in the side elevation. Fig. 3 is a plan view of a sheet of material. Fig. 4 is a fragmentary view of the hood, showing a modified form of anchor for positively locking the said hood thereon.

Like numerals of reference indicate corresponding parts throughout all the figures of the drawings.

In the drawings, 1 represents a blank sheet, of any suitable material, which when folded will form the conical hood. Apertures 2 and 4 are formed upon the blank sheet 1, through

which is passed the supporting member 3 when the said members 1 and 3 are assembled. The supporting means 3 is substantially V-shaped and is constructed, preferably, of wire or other springy material. By reason of its shape its lower ends will have a tendency to remain normally spread apart, so that when the said ends are compressed and the pressure released they will tend to return to their normal spread condition. The apertures 2 are arranged oppositely upon the blank sheet 1 and are designed to register when the sheet is in a folded condition, as is shown in Figs. 2 and 4 of the drawings. When the said sheet is folded and the anchor-support 3 is passed through the apertures 2 and 4, the said conical hood is retained in a locked position upon the said anchor 3.

When it is desired to apply the anchoring-support 3 to the hood, the blank, as shown in Fig. 3, is folded in the shape of a cone, as shown in Fig. 1, and the ends of the V-shaped support are passed through the apertures 2 and 4, which holds the overlapping ends of the hood in a folded condition and prevents their separation and at the same time forms a support for the hood and a means for retaining the device in the ground. In order to apply the support to the hood, the ends must be compressed with the fingers in order to pass them through the apertures 2 and 4, and as soon as the pressure is released the ends will spring out to the position shown in Figs. 1 and 2, whereby the hood will be held in a fixed position on the support out auxiliary fastening means and at the same time will admit of the hood being slid up and down on the support when it is desired to raise the hood above the ground or lower it toward the ground. It will be also observed that when it is desired to remove the hood from the support it can be readily accomplished by compressing the ends of said support, then sliding the hood off of the support.

The limbs and legs of the support are made of a sufficient length to permit the device to be entered a considerable distance in the ground, so that when it is desired to admit more air or light beneath the hood it can be accomplished by withdrawing the legs partly

out of the ground, but still permitting them to remain a sufficient distance in the ground to form a support for the device.

In Fig. 4 I show a modification of the anchor 3, the said modification presenting a bent portion 5 for positively locking the hood 1 upon the said supporting-anchor. It will be seen upon examining the accompanying drawings that owing to the construction of the V-shaped anchor the same forms a spring-retaining means for the hood; but the modification as shown in Fig. 4 insures the positive locking of the said hood when the same is placed upon the supporting-anchor.

In the employment of my invention if it is not desired to cover the plant entirely the anchor can be slightly withdrawn from the earth and the circulation of air or light will be permitted under the said hood. If it is desired, the material employed in forming the hood may be of such transparency as to permit the rays of light striking against the same to penetrate and furnish the plant with sufficient light without removing the base of the cone from contact with the ground, or, likewise, if it is desired, the material employed in the construction of the hood can be of such nature as to entirely obstruct the rays of the sun from the plant when the hood is in position. The material of the hood is also preferably coated with a suitable material, as wax or oil, to render the same waterproof and more durable.

Owing to the construction of the device a large number can be packed in a small space, and the simplicity of the invention will enable the operator to place the same in position over the plants without special instructions.

The primary advantage of my invention lies in the fact that when the hood is placed upon the V-shaped supporting-anchor the said hood will be retained in a fixed position upon the same without auxiliary fastening means.

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

1. As an improved article of manufacture, a plant-protector, comprising a substantially cone-shaped hood, and a substantially V-shaped, spring-actuated anchoring-support, passed through the meeting ends of the hood for holding the same together, said supporting means being extended along both sides of the hood and below the lower edge thereof.

2. As an improved article of manufacture, a plant-protector, comprising a substantially

cone-shaped hood constructed from a semicircular piece of material having apertures formed in its meeting edges, and a substantially V-shaped, spring-actuated support extended along the sides of the hood and passed through the apertures for retaining the semicircular piece of material in a conical shape, and also for supporting the hood, substantially as described.

3. As an improved article of manufacture, a plant-protector comprising a hood constructed from a semicircular piece of material and bent into the shape of a cone, a substantially V-shaped spring-actuated anchoring-support passed through the said hood, said support being extended below the hood and provided with a bent portion for positively locking the hood on the same above the top of the ground so as to leave a space between the lower edge of the hood and the ground, substantially as described.

4. A plant-protector comprising a sheet of material folded in the shape of a cone, apertures formed upon said sheet adapted to coact with one another, and a supporting-anchor passing through said apertures, said anchor having a bent portion for engaging one set of the apertures of the hood and retaining said hood in a positive position upon said anchor, substantially as described.

5. A plant-protector comprising a hood having a series of apertures formed thereon, a spring-supporting anchor conforming to the shape of said hood and passing through said apertures, and a bent portion formed upon said anchor for positively retaining the hood in a fixed position thereon, substantially as described.

6. A device of the character described comprising an apertured conical hood, said apertures formed oppositely upon the said hood when the same is in a folded position, a spring V-shaped supporting-anchor passing through said apertures, and a bent portion formed upon said support and adapted to engage one set of the apertures for retaining the said hood in a locked position upon the same, substantially as described.

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

MARCELLUS B. LEWIS.

Witnesses:

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