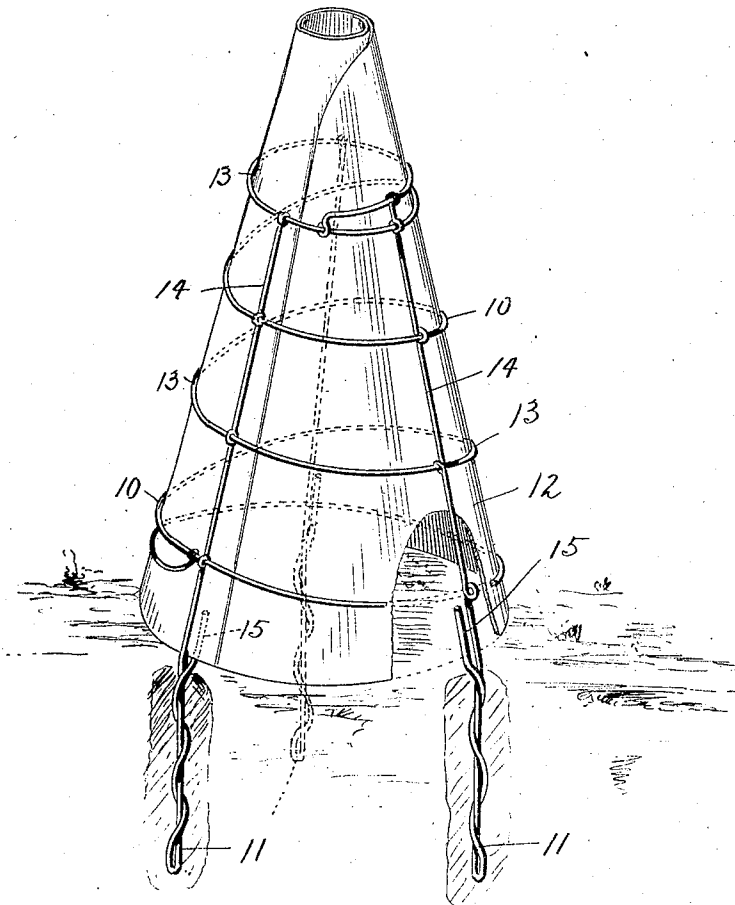


W. H. RAGAN.
PLANT PROTECTOR.
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1,025,073.

Patented Apr. 30, 1912.



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PLANT-PROTECTOR.

1,025,073.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM H. RAGAN, of Siloam Springs, in the county of Benton and in the State of Arkansas, have invented a certain new and useful Improvement in Plant-Protectors, and do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to devices for protecting plants from the harmful effects of the sun and frost, and my object is to provide such a device which while perfectly serving the purpose intended will be inexpensive in cost and easily, yet securely, set in place, and to these ends my invention consists of a plant protector constructed substantially as hereinafter specified and claimed.

In the accompanying drawing the figure is a perspective view of a plant protector constructed in accordance with my invention.

In the embodiment of my invention illustrated in the drawing, my protector is composed of a conical frame 10 having a plurality of legs 11 for thrusting in the earth, and a hollow cone 12, preferably of paper or some other light equivalent material adapted to inclose or cover the plant to be protected, so as to exclude the harmful effects of sun or frost.

The frame 10 is preferably constructed of wire and consists of a series of circular members 13, gradually increasing in diameter from the top of the frame downward, and a suitable number or plurality of vertically extending wires 14 to which the rings are joined at the points of crossing or intersection. The circular members may be separately formed, or as illustrated in the drawing they may be the coils of a spiral, so that all the circular members are formed of a single continuous piece of wire, and at the points of intersection of the circular members and said wires the connection may be made by soldering, or by loops, or in any other manner desired. The legs 11, are each preferably a part of or integral with a side wire, and as shown, each is formed by coiling or twisting the wire upon itself, the free end of the wire being carried upward and forming with the contiguous portion of the side wire, a clip 15 to receive and hold the cone 12 at the lower edge thereof. The

twisting of the wire thus serves the double purpose of strengthening or stiffening the leg so that it may be readily thrust into the earth, and providing an excellent support for the cone.

The cone may be formed of a paper blank which is rolled into shape and thrust or inserted in the frame from the bottom, until the larger end of the cone passes into engagement with the clips, and the natural tendency of the paper to expand will be sufficient to preserve the shape of the cone and retain the cone in the frame by the pressure of the outer sides of the cone against the frame. Of course if desired overlapping portions of the cone may be gummed together or otherwise united.

The conical form of my protector is important, not only for the reason just indicated, in that it facilitates the placing of the paper cone within the frame and utilizes the expansive tendency of the paper cone to hold the latter in the frame, but it is also of importance in the shipment or storage of the device, because they can be nested together. By twisting and thus contracting the cone it can easily be removed from the clips and taken out of the frame.

In the use of my protector the prong form legs are thrust into the earth over the plant to be protected until the bottom of the cone touches or is sufficiently close to the earth.

Having thus described my invention what I claim is—

A plant protector comprising a frame composed of a series of circular members having a common axis and graduated in diameter and side wires joined thereto, the side wires being twisted to form legs and holding clips, each clip consisting of the free up-turned end of a side wire contiguous to the body portion of said side wire, and a cover formed of loosely wound sheet material within the frame with one end engaged by said clips and the other end protruding above the frame.

In testimony that I claim the foregoing I have hereunto set my hand.

WILLIAM H. RAGAN.

Witnesses:

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