

(No Model.)

O. W. BAILY.
PLANT PROTECTOR.

No. 333,810.

Patented Jan. 5, 1886.

Fig. 1.

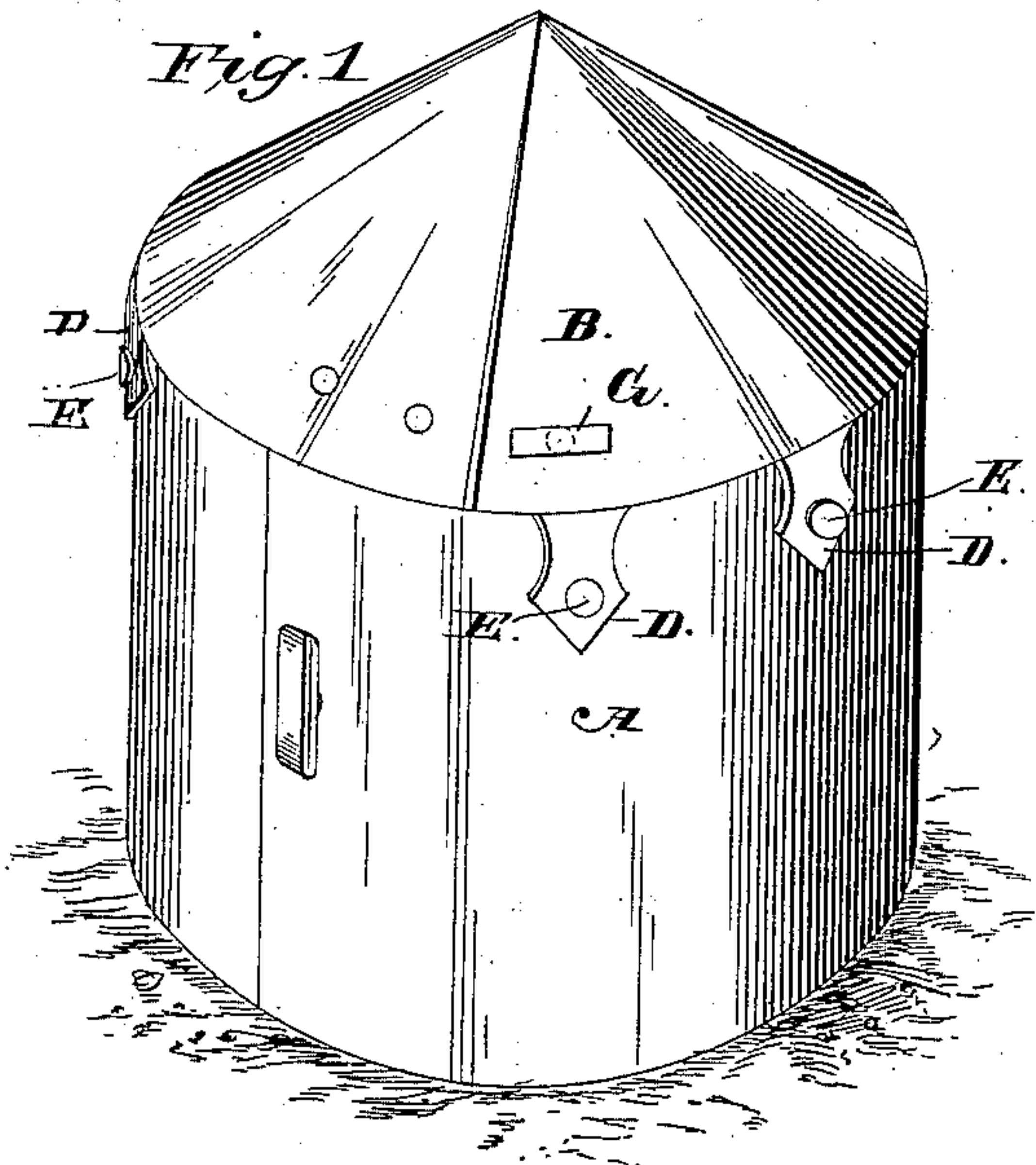


Fig. 2.

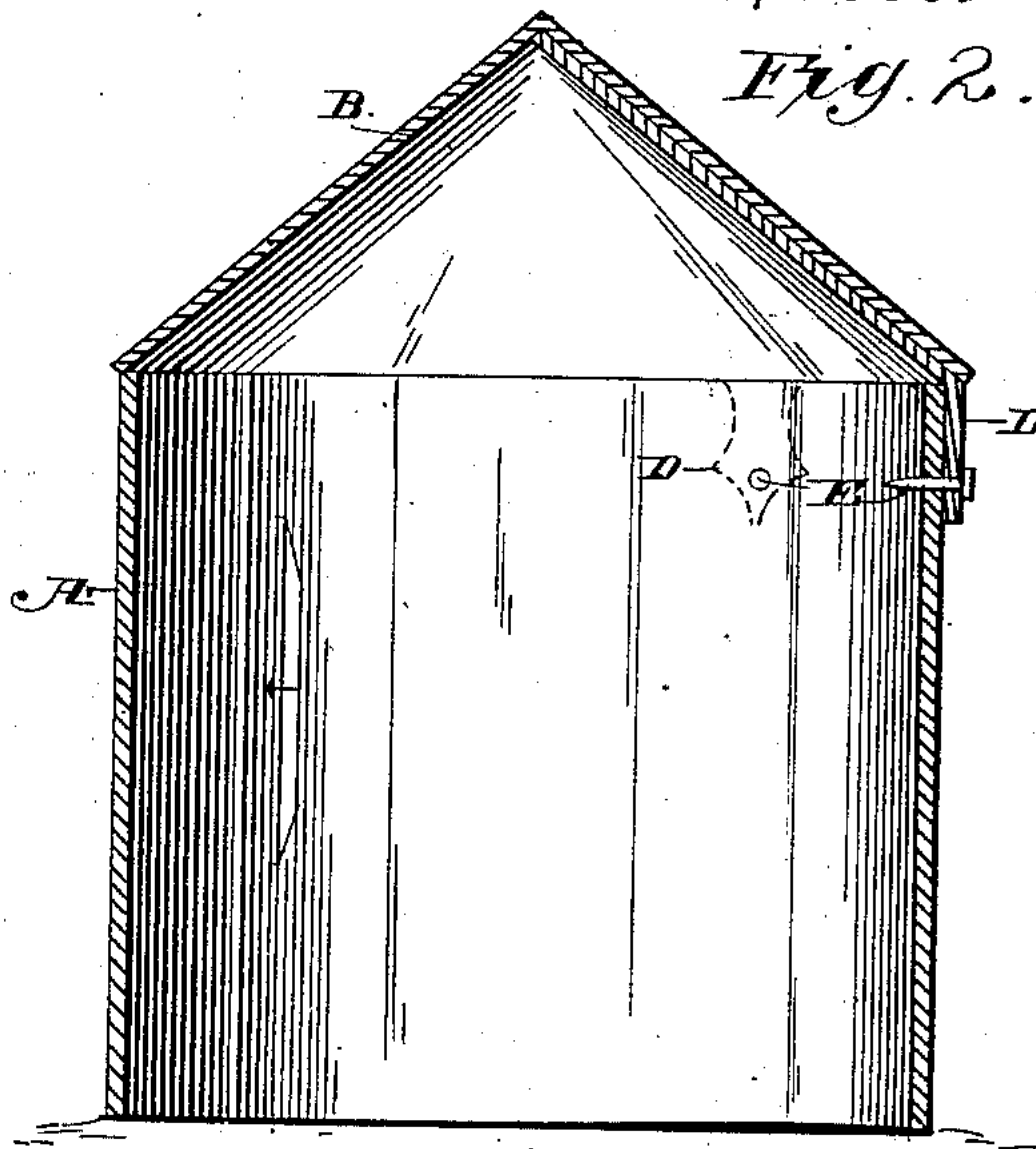


Fig. 3.

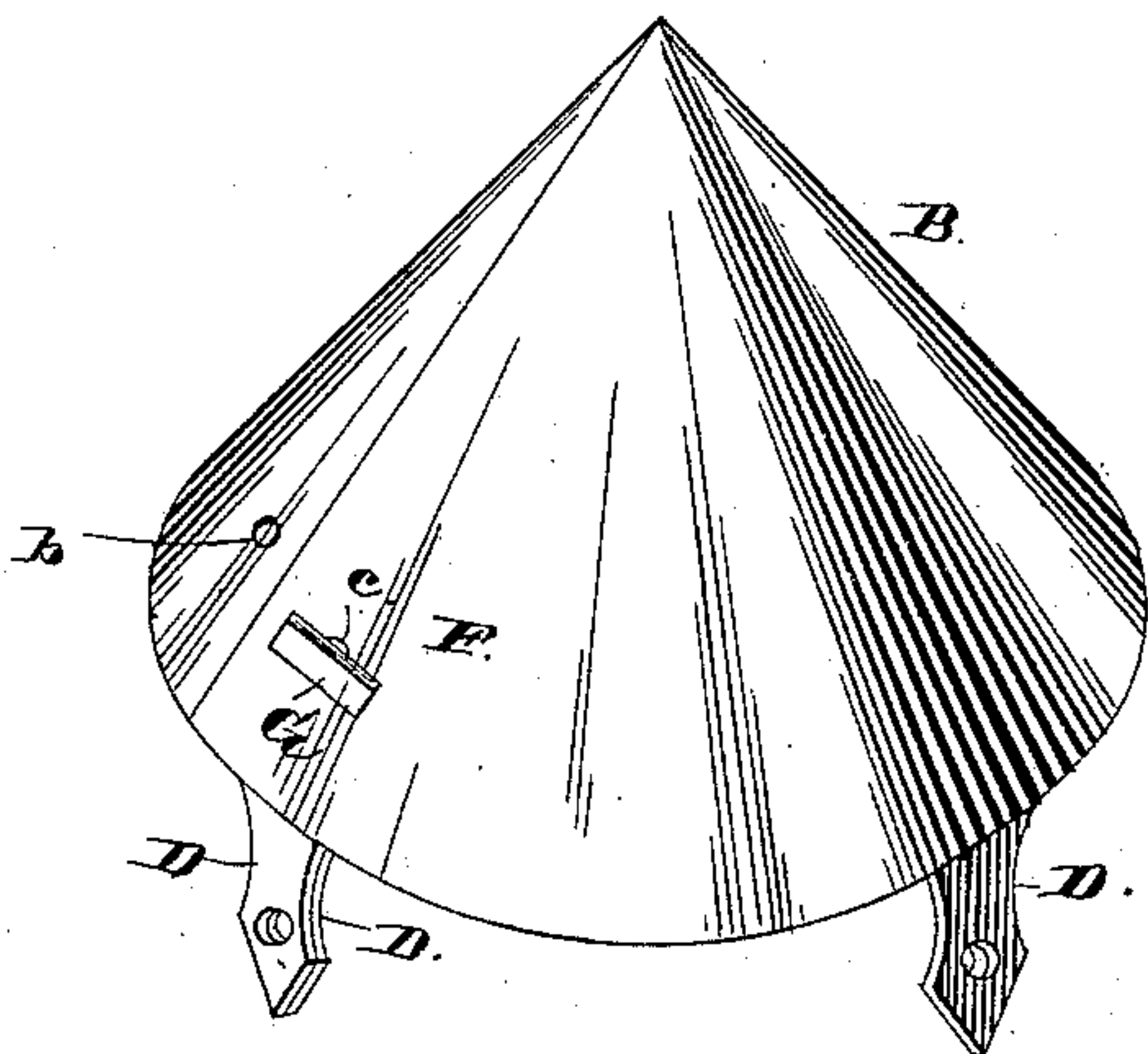


Fig. 4.

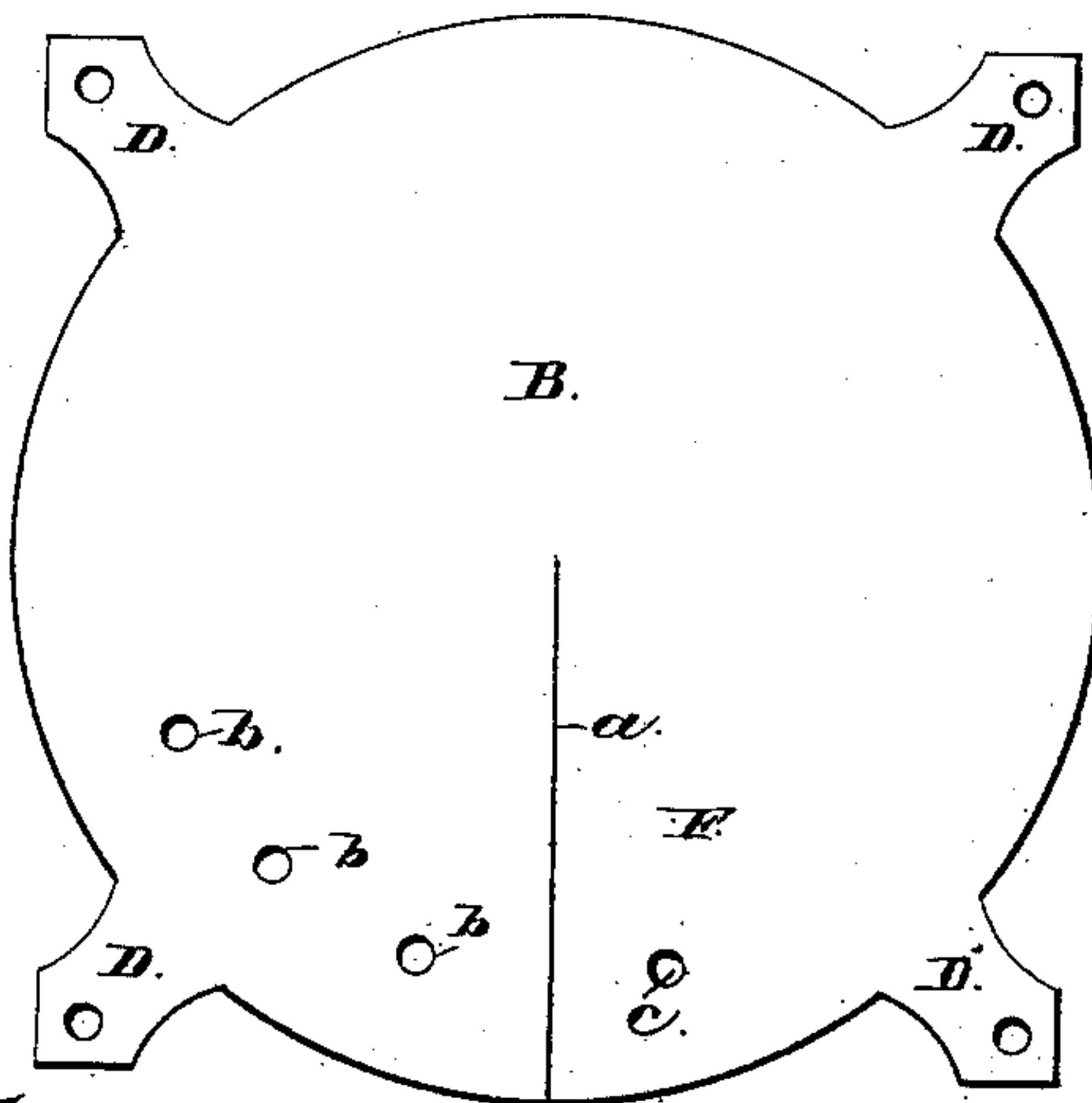
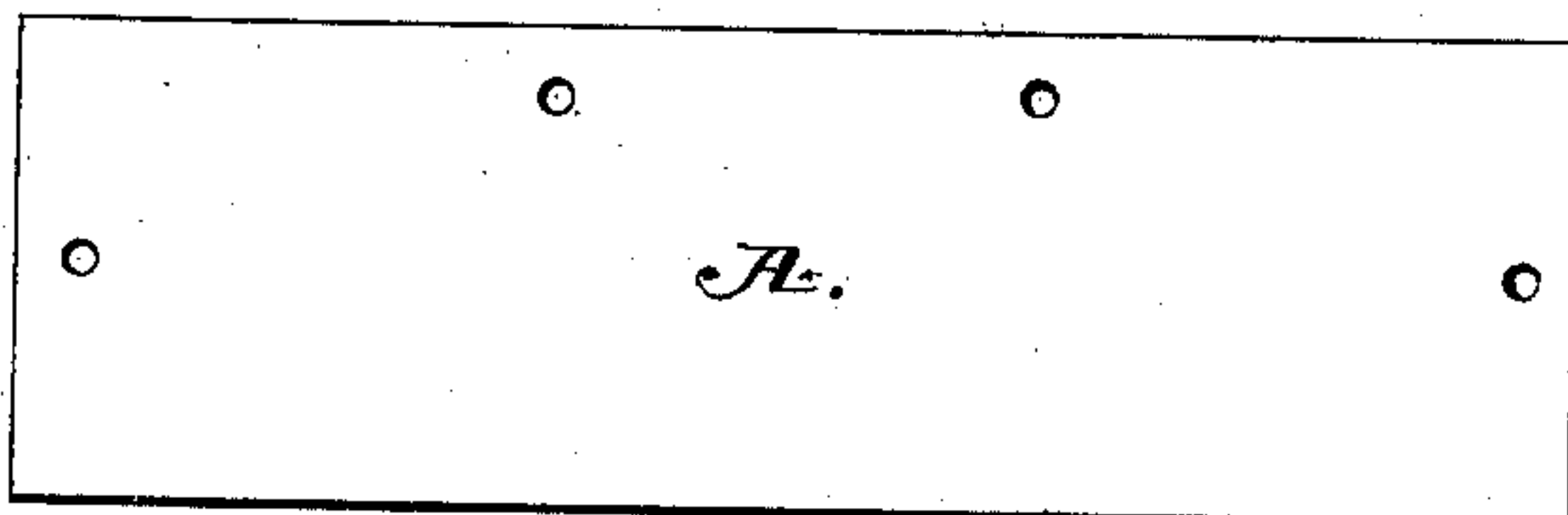


Fig. 5.



WITNESSES

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OSKER W. BAILY, OF ENTERPRISE, FLORIDA.

PLANT-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 333,810, dated January 5, 1886.

Application filed June 26, 1885. Serial No. 169,869. (No model.)

To all whom it may concern:

Be it known that I, OSCER W. BAILY, a citizen of the United States, residing at Enterprise, in the county of Volusia and State of Florida, have invented a new and useful Improvement in Plant-Protectors, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to plant-protectors; and it has for its object to provide an article of this character which shall be cheap and simple in its construction, and which will serve to protect the young plants from sudden changes of temperature.

With these ends in view the said invention consists in the improved construction and combination of parts, as will be hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view showing my improved plant-protector adjusted in position for use. Fig. 2 is a vertical longitudinal section of the same. Fig. 3 is a detail view of the cap-piece. Fig. 4 is a plan view illustrating the form of the blank from which the cap-piece is constructed. Fig. 5 is a plan view of the blank from which the cylindrical body is made.

Like letters are used to indicate corresponding parts in the several figures.

Referring to the drawings, A designates the cylindrical body of the protector, constructed from an oblong piece of heavy paper, the meeting ends of which are perforated for the reception of a staple or other suitable fastening device. When the ends of the blank shown in Fig. 5 are brought together and secured, the cylindrical body A is formed, which body is adapted to rest on the ground around the plant, so as to inclose the latter.

B designates the cap-piece, which is made conical in form, the edges of which are adapted to rest upon the upper edge of the body A, ears or lugs D (preferably three or four in number,) extending downward from the edge of the cap-piece and adapted to be secured to the sides of the body A by pins E.

The manner of constructing the cap-piece B may be readily seen by reference to Fig. 4.

A circular piece of paper is cut with the

ears D extending therefrom around its edge. This piece is then cut along its diameter from the circumference to the center, as at *a*, and a series of holes, *b*, are provided in this piece of paper on one side of the slit *a*. By taking hold of the piece F on the other side of the slit *a* and drawing it over the opposite or perforated side the cap-piece is caused to assume a conical form. A hole, *c*, is provided in this piece F, and through this hole may be passed a staple, G, or other fastening device, said staple passing through any one of the openings *b*, so as to secure the cap-piece in its adjustment. It will be observed by means of the openings *b*, I am enabled to make the cap-piece B large or small, to adjust it to various sizes of the protector-body A. When the cap-piece has reached the extreme limit of its adjustment, two of the ears D lap each other, and may be secured together and to the body by the pins E, before mentioned. Otherwise these ears are designed to be secured separately to the body.

The body A and its cap-piece are constructed from light pasteboard or heavy paper, and this I have found possesses superior advantages over the old form of protectors, the paper being a much better preventative against heat and cold than either wood or metal. For young plants the conical-shaped cap-piece is used, the body A being dispensed with. In such a case the pins E are passed through the ears of the cap-piece into the ground or hill around the plants, thus serving to secure the protector in place. When used for large plants—such as potatoes, tomatoes, &c.—the body A is placed around the plants and the cap-piece B is fitted over the upper end thereof and secured thereto by the pins E, passing through the ears D into the body. If desired, the body A may be fitted with its lower edge in the ground, or simple means provided to hold the body in place.

The peculiar construction of the cap-piece enables the latter to be adjusted to fit over different sizes of protector-bodies, and thus the cap-piece may be changed from its position at will and adjusted to fit over another protector.

By my improvement I am enabled to pro-

vide a device which will be of special advantage for the purpose in view, serving to protect both large and small plants from sudden changes of temperature, and especially from the light frosts, which often do considerable damage to growing crops. It can be adjusted in position with ease and readiness. Since it is constructed of paper, it can be manufactured very cheaply, so as to be placed in the market at a cost which will be within the reach of those having occasion to use it.

In order to define the nature and scope of my invention, I would state that heretofore it has been proposed to provide a plant-protector or having a reversible flower-pot provided with a screen detachably fitted over the bottom thereof, and hence I do not claim such construction. I am also aware that a tree-protector has been provided which comprises a cone-shaped shell, the adjacent ends of which are perforated or slitted and lap over each other, in which position the perforations or slits of the adjacent edges coincide or register, and are secured by staples or clasps. My invention differs from these in the fact that my device comprises the vessel A and cone-shaped cap B, provided with the perforated depending lugs D, adapted to fit over the vessel A and be secured in proper position by means of pins E, to prevent accidental displacement of the cap by the wind or other causes.

The improved plant-protector is made of stout paper, thus reducing the cost of manufacture of the device and bringing it within the reach of persons requiring its use.

The device being made in sections, can be easily and quickly placed in position with or without the cap, which can be afterward fitted thereto or omitted, as may be required.

The device possesses strength and great durability, can be easily and quickly made, is very simple, and permits of the adjustability of the cylindrical vessel and the conical cap, features which are of very great importance and essential to the successful employment of the device.

Having described my invention, I claim—

1. As an improved article of manufacture, the plant-protector herein described, comprising a cylindrical vessel, A, and a conical cap, B, made of paper, and detachably connected together, the cap being formed from a circular piece having a slit, *a*, and a series of apertures, *b c*, and provided with lugs D, substantially as described.

2. As an improved article of manufacture, the plant-protector herein described, comprising a cylindrical body or vessel, A, formed from a sheet of paper having a series of apertures, and a conical cap, B, formed from a circular piece of paper having a slit, *a*, apertures *b c*, and perforated lugs D, the cap fitting over the body A and the lugs D thereof secured thereto by pins E, as set forth.

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

OSCAR W. BAILY.

Witnesses:

ANNA CAVEN,
WM. H. CAVEN.