

No. 656,642.

Patented Aug. 28, 1900.

S. A. HASELTINE.
MOTH CATCHER.

(Application filed May 10, 1900.)

(No Model.)

Fig. 1.

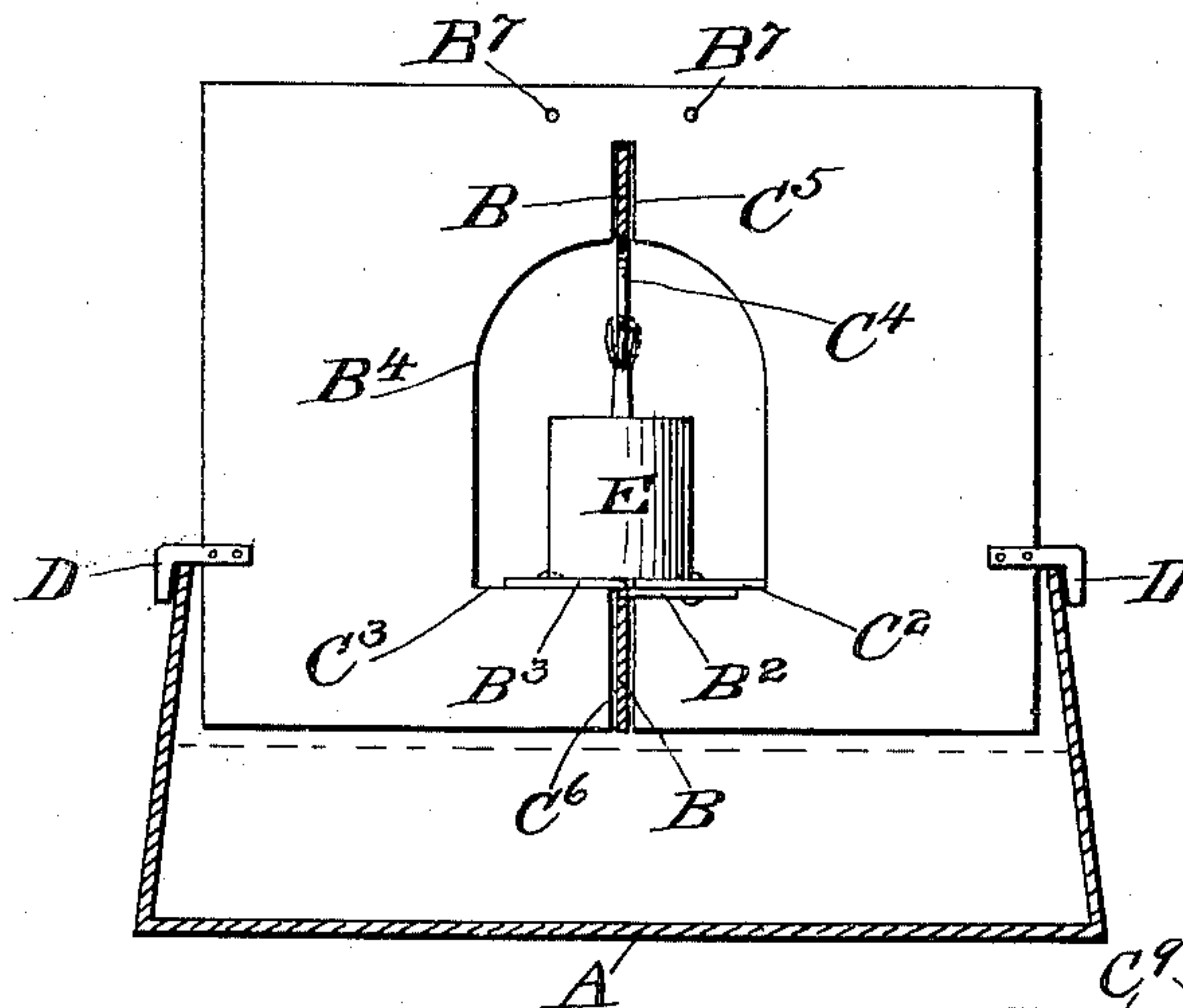


Fig. 3.

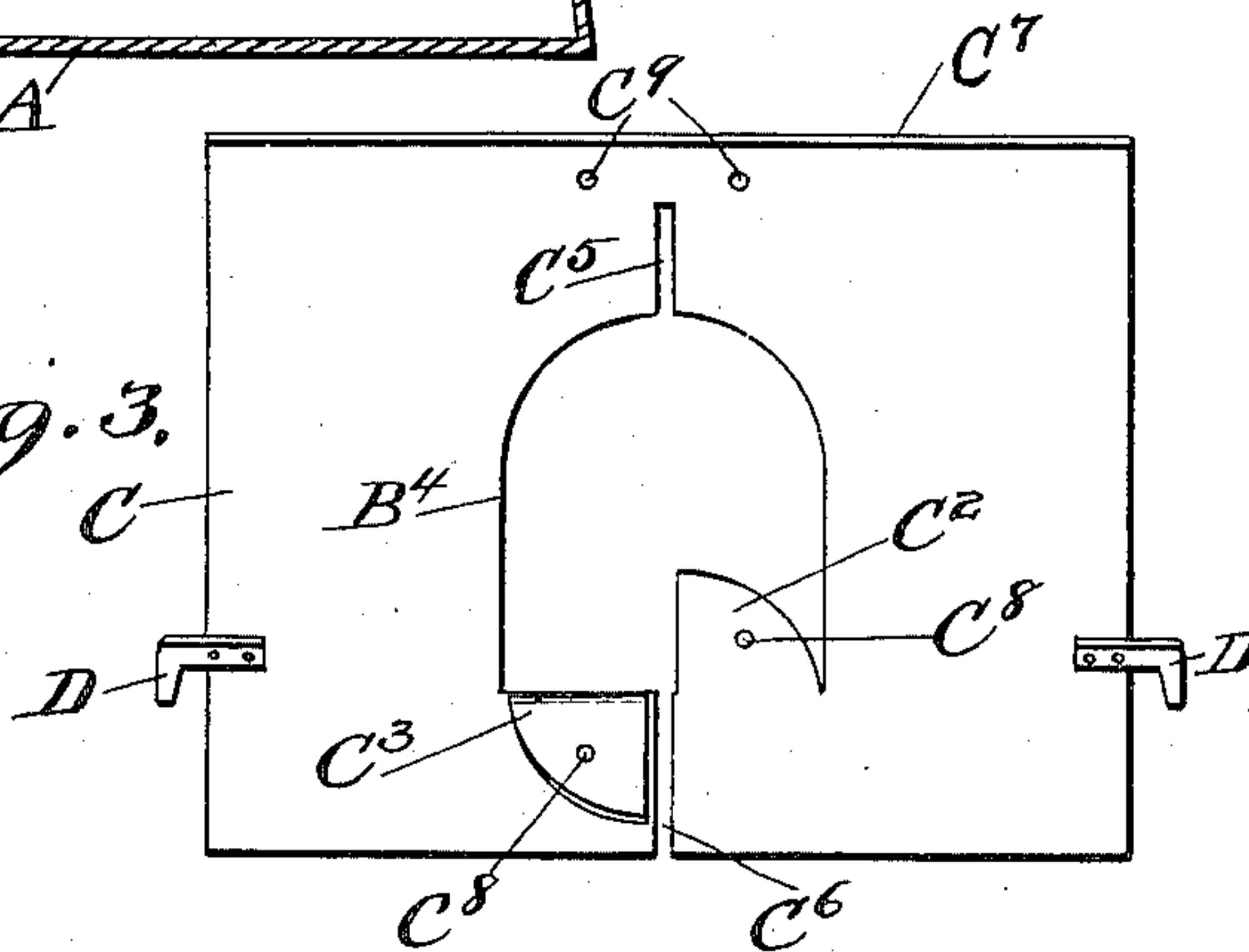


Fig. 2.

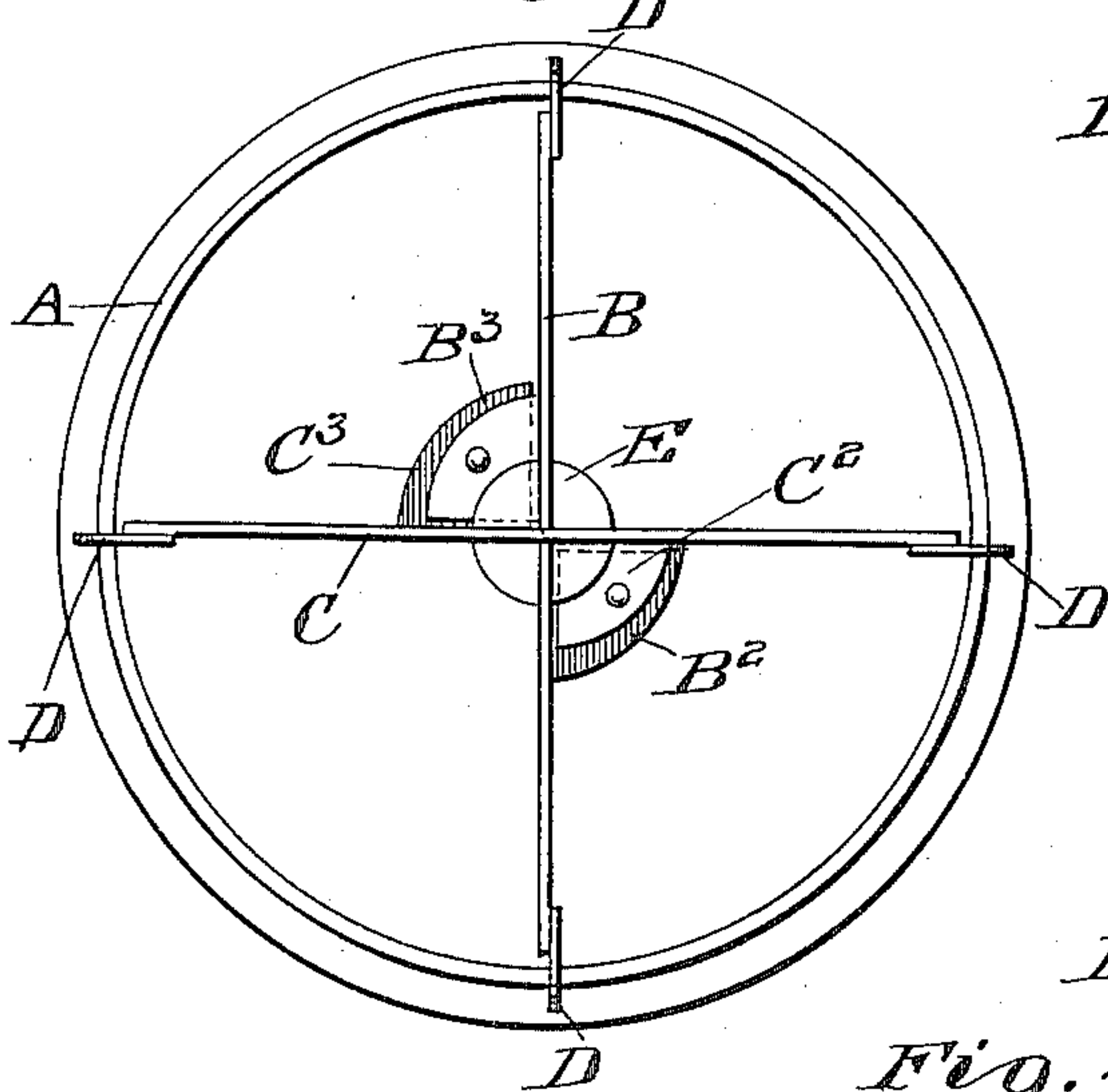
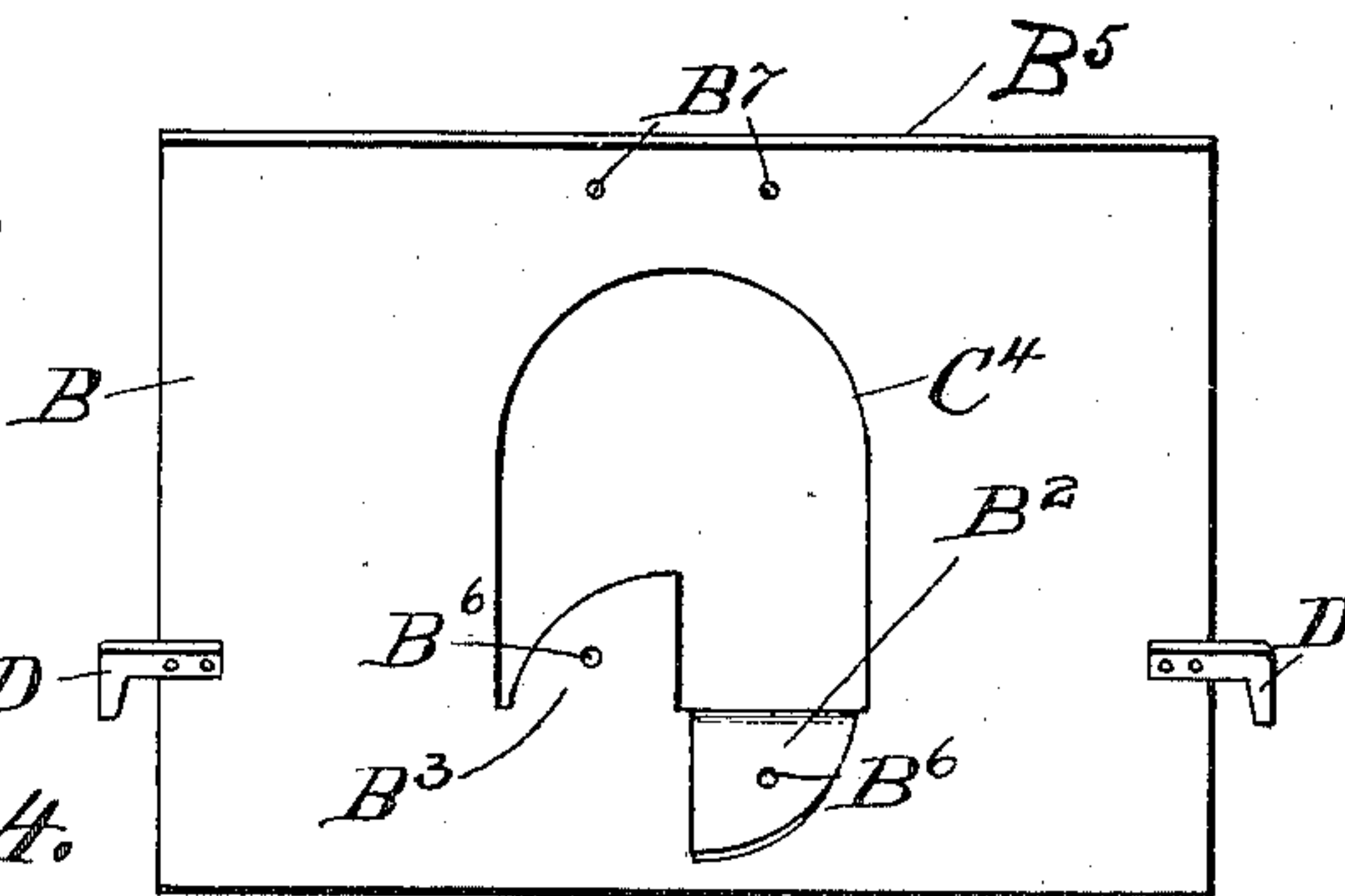


Fig. 4.



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MOTH-CATCHER.

SPECIFICATION forming part of Letters Patent No. 656,642, dated August 28, 1900.

Application filed May 10, 1900. Serial No. 16,245. (No model.)

To all whom it may concern:

Be it known that I, SEWARD AUGUSTUS HASELTINE, a citizen of the United States, residing at Springfield, in the county of Greene and State of Missouri, have invented certain new and useful Improvements in Moth-Catchers; 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 moth-catchers, the object of which is to provide a cheap, simple, and durable device that will attract and catch the moths. This object I attain by means of the device illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation, partially in section, of the device. Fig. 2 is a top or plan view of the device. Fig. 3 is a detail showing one of the double reflectors. Fig. 4 is a detail showing the other double reflector.

Similar letters indicate corresponding parts in the several figures.

A is an ordinary tub of any desired size and shape, preferably made smaller at the upper side or end to prevent insects that drop into it from crawling out. In this tub is placed any desired liquid to catch and hold the insects, preferably water, with a little oil on top of it (preferably coal-oil) for killing the insects.

B and C are two plates of tin or other suitable reflecting material crossing each other at right angles and having an opening in the center for receiving an ordinary lamp or torch E, as shown in Fig. 1. At the outer edges of said plates B and C are secured angular pieces D or any desired hook or fastening device for securing the same to the sides of the tub. Said pieces B and C are preferably made long enough to reach across the mouth of the tub and may extend down in the tub any desired distance, preferably to near the surface of the liquid in the tub. Plates B and C are cut with the openings B² and C², as shown, any desired size, preferably just large enough to let the body of the torch or lamp enter the same where the two plates cross each other to hold the torch in position. In cutting the openings C⁴ and B⁴ a part of the piece to be re-

moved is bent down half on each side, so that when placed together they will form a bottom for the torch or lamp to set upon. For this purpose they are cut, as shown at C² and C³ in Fig. 3 and as shown at B² B³ in Fig. 2, and provided with holes C⁸ and B⁶ for wiring or riveting the parts together. They can thus be shipped and put together at their destination. The plate C is provided with a slot at the top C⁵ and at the bottom C⁶ to permit it to slip down over or straddle the plate B. Said plates when made of tin may have the margins rolled or wired, as shown at B⁵ and C⁷, for giving strength to the same. The torch E, placed in the center, shines out in all directions and is also reflected by the bright surfaces from both sides of the four projecting arms thus formed, and, thus attracted, the insects or moths flying toward the light and its reflections strike the bright surfaces and fall into the liquid below. Plates B and C have holes B⁷ and C⁹, through which a wire hoop or ring is passed for holding the plates in position, yet permitting the plates B and C to be folded together for shipping purposes, and for this purpose the lower parts of said plates may also be provided with holes for a similar hoop or ring.

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

1. A moth-catcher consisting of an ordinary pan or tub provided with water and coal-oil, two reflectors crossing each other, one of said reflectors B being provided with supports D at its outer ends, and an opening in the center having parts B², B³, cut and bent in opposite directions, and holes B⁷ for a wire hoop or ring; the other reflector, C, having supports D for securing the same to the tub or pan and having an opening at its center having parts C², C³, turned out from the center in opposite directions for holding a lamp, and for permitting the same to be folded, and holes C⁹ provided with a wire ring, and a lamp or torch in the center of said reflectors all substantially as shown and described.

2. In a moth-catcher a pan or tub, A, made narrower at the top than at the bottom and being provided with water and coal-oil, combined with two plates B, and C, forming reflectors, reflector B, having supports D, and

a central opening for a torch; reflector, C, having supports, D, and a central opening for a lamp or torch and slots C⁵, C⁶, for receiving reflector, B, all substantially as shown and described for the purpose specified.

3. In a moth-catcher, two cross-plates B, and C, one of said plates having an opening C, with slots C⁵, C⁶, and projections turned in opposite directions C², C³, and a plate B, having an opening B⁴, with two parts B², B³, turned in opposite directions substantially as shown and described.

4. In a moth-catcher, a tub, A, partly filled with water, said water being covered with coal-oil, combined with plates B and C set across each other as specified, having fastenings at the outer ends and a central opening having the parts B², B³, and C², C³, cut and turned out in directions to form a bottom for

a torch and to permit the reflectors to fold, holes B⁷ and C⁹, in the said reflectors for a ring; and a central torch, E, all substantially as shown and described for the purpose specified.

5. A moth-catcher consisting of a tub, A, partly filled with water and coal-oil, two reflectors crossing each other at the center, having supports at the outer ends and a central opening for holding a torch, said reflectors being formed to fold together, and a torch made to fit the central opening, all substantially as shown and described.

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

SEWARD AUGUSTUS HASELTINE.

Witnesses:

JAMES W. SILSBY,

CHANCELLOR L. HASELTINE.