

(No Model.)

S. POOLE.
YARD PROTECTOR.

No. 435,708.

Patented Sept. 2, 1890.

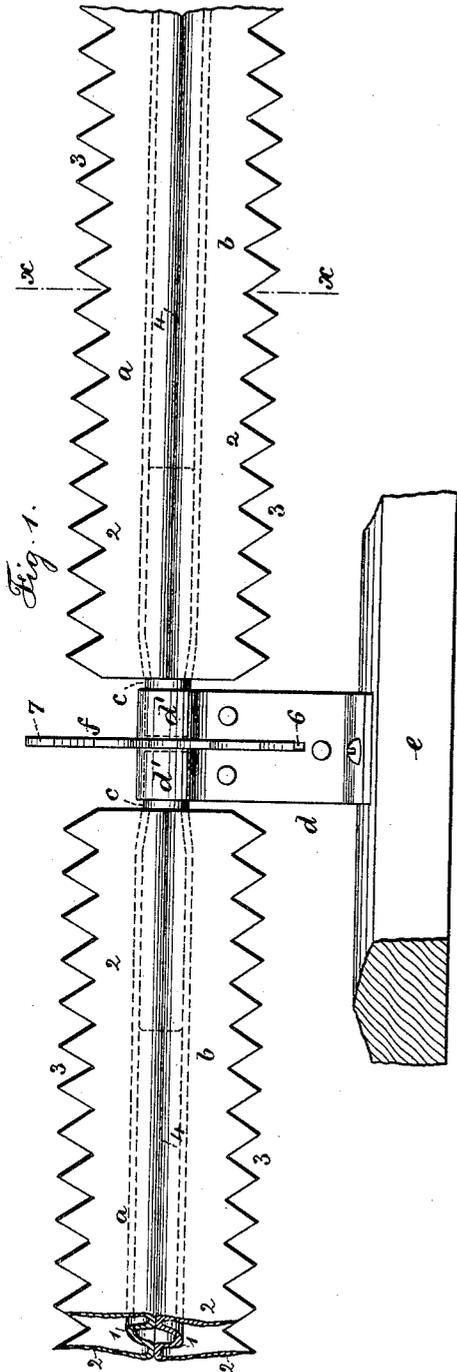


Fig. 1.

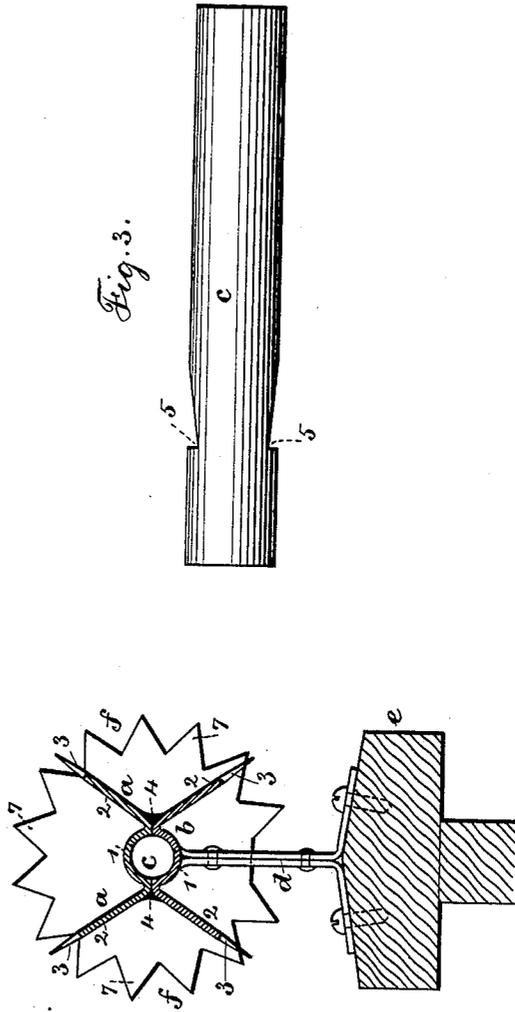


Fig. 2.

Fig. 3.

Witnesses:
J. Stair
Chas. N. Smith

Inventor:
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per Lemuel W. Ferrell atty

UNITED STATES PATENT OFFICE.

SAMUEL POOLE, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND
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YARD-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 435,708, dated September 2, 1890.

Application filed February 3, 1890. Serial No. 339,037. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL POOLE, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Yard-Protectors, and the following is declared to be a description of the same.

"Yard-protectors," or, as they are otherwise known, "cat-teasers," have heretofore been employed, these devices having been connected to the top of a line of fences, their object being to prevent cats walking along the top of the fence from place to place or crossing over the top of a fence. Some of these devices—such as metal strips—have been connected directly to the top of the fence and others—such as X-shaped slats—have been mounted on standards connected to the top of the fence and have been capable of revolving.

My invention relates to a yard-protector that is capable of revolving, the same being made in lengths, the ends of which are mounted in standards connected to the top of the fence.

My improved yard-protector is made of bent-up strips of metal, the edges of which are made with teeth. These strips, in any desired length, are riveted or soldered together and provided with trunnions in their ends, which trunnions are received into bearings at the upper end of standards, and such standards are to be nailed to the top of the fence.

In my improved device the strips of metal are so bent up that they project nearly radially from the axis of rotation, the teeth being upon the edges of these radially-placed strips, the revolving piece being by preference of about the width of the top string-piece of the fence.

In the drawings, Figure 1 represents, by elevation, two end portions of the revolving piece and their standard. Fig. 2 is a cross-section at $x x$ of Fig. 1, and Fig. 3 is an elevation in larger size of the end pin or trunnion.

The revolving piece is made up of two bent strips of metal $a b$, the central portions of which at 1, I prefer to make circular, and the flat portions 2 are approximately radial to the axial line, and the edges of the flat portions of the strips 2 are made with teeth or serrations at 3. The strips $a b$ are alike, and may

be soldered together at 4, where they meet, or they may be riveted together, if desired, and these strips are stamped up in proper dies and made of any length desired. The shape of these strips may be slightly varied sectionally without departing from my invention.

In the opposite ends of the revolving piece formed by the strips $a b$, I place pins or trunnions c . These pins are round and are notched in two places at 5 upon their opposite edges, and they are inserted in the ends of the revolving piece up to said notches 5, and the sheet metal at the ends of said revolving piece is by any suitable instrument bent inwardly into such notches to retain the pins or trunnions c in place. If, however, it is desired to shorten up the revolving piece, the same can be cut across with any suitable instrument and the trunnion removed from the end, where it is secured by grasping the same with a pair of pinchers and giving it one-half a turn, which will bring its round surface against the bent metal that was in the notches, and spread the same and permit of the removal of the trunnion, so that it can be replaced in the newly-made end of the revolving piece.

d represents the standards connected to the top rail e of the fence, and d' the bearing at the upper portion of the same. This standard and its bearing, I prefer to slot vertically across the same at 6, thus forming two bearings for the two adjacent trunnions of the end pieces, and I place a disk of metal f into this slot 6, which disk, as seen in Fig. 2, is of circular form with serrated edges or teeth 7. This disk f is held in place by galvanizing the same with the standards d , and this disk serves the purpose of preventing a cat crossing the fence at the place occupied by the standard, because where the standard is long enough for the bearings of two pieces there would be room for a cat's foot if this disk f were absent.

It will be apparent with my improvement that there is no opportunity for a cat to walk along the top of or to cross a fence, because a foot placed in the trough of either strip or in the trough between the strips would only serve to revolve the piece in its bearings and overbalance the cat and precipitate it to the ground.

I claim as my invention—

1. The combination, with standards *d* and their bearings *d'*, and the trunnions *c*, of the revolving piece composed of the strips *a b* of sheet metal bent up and secured together at their meeting edges, said strips *a b* having portions 2 that are approximately radial to the axial line of the revolving piece, and the edges of which strips are made with teeth or serrations, substantially as set forth.

2. The combination, with the standards *d* and their bearings *d'*, of the revolving pieces formed of bent-up strips of metal *a b*, connected together and provided with longitudinal semicircular portions 1, and the round trunnions *c*, having notches 5, connected at

the ends of the revolving pieces, substantially as and for the purposes set forth.

3. The combination, with revolving pieces formed of bent-up strips of metal *a b*, connected together and having serrated or toothed edges, of the standards *d* and their bearings *d'*, slotted vertically and the toothed plate *f*, received into the slot of the standard and connected thereto for the purposes and substantially as set forth.

Signed by me this 30th day of January, A. D. 1890.

SAMUEL POOLE.

Witnesses:

GEO. T. PINCKNEY,
HAROLD SERRELL.