

No. 705,959.

Patented July 29, 1902.

E. POTTER.
FLY TRAP.

(Application filed Nov. 20, 1901.)

(No Model.)

Fig. 1.

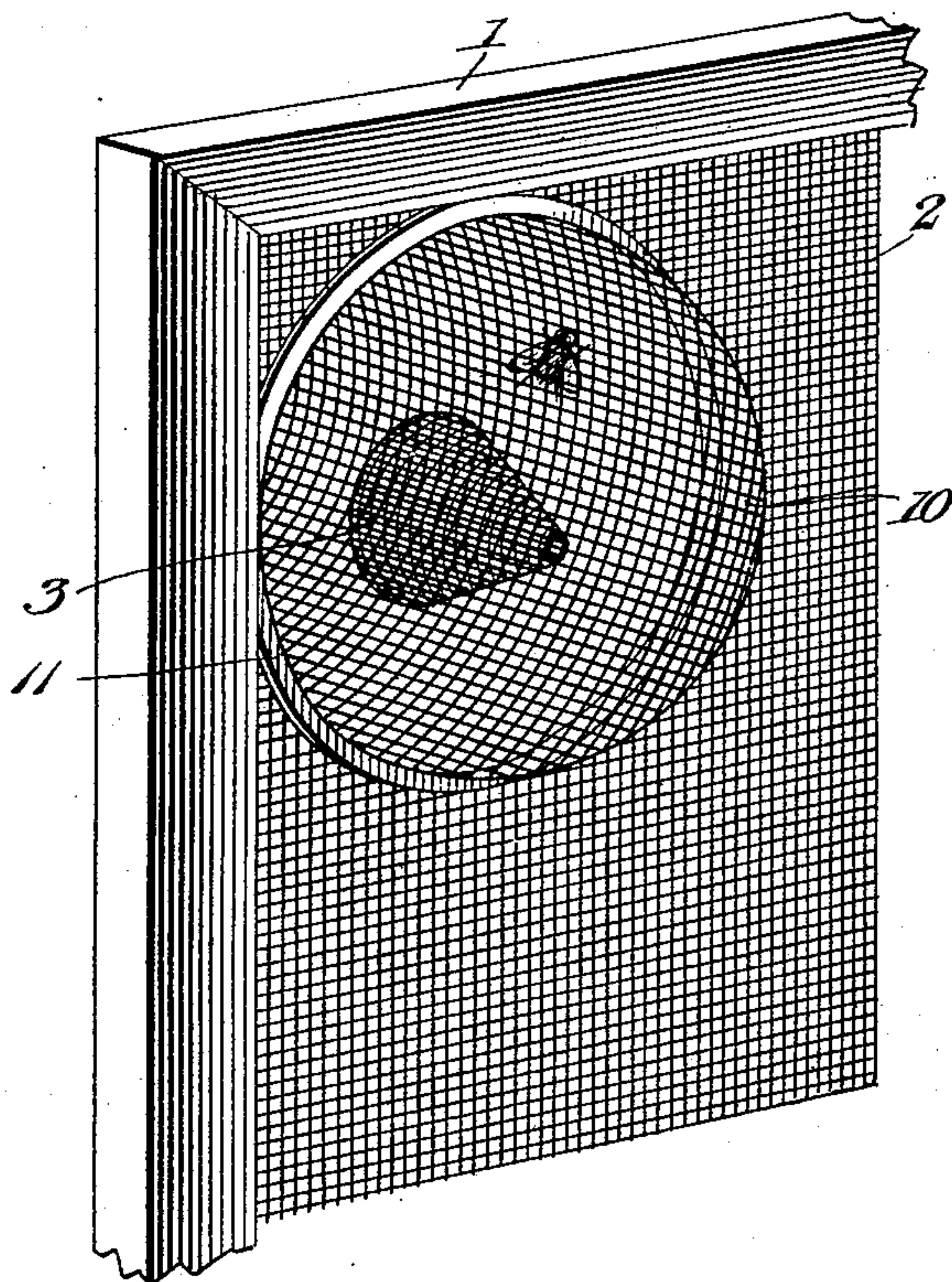


Fig. 2.

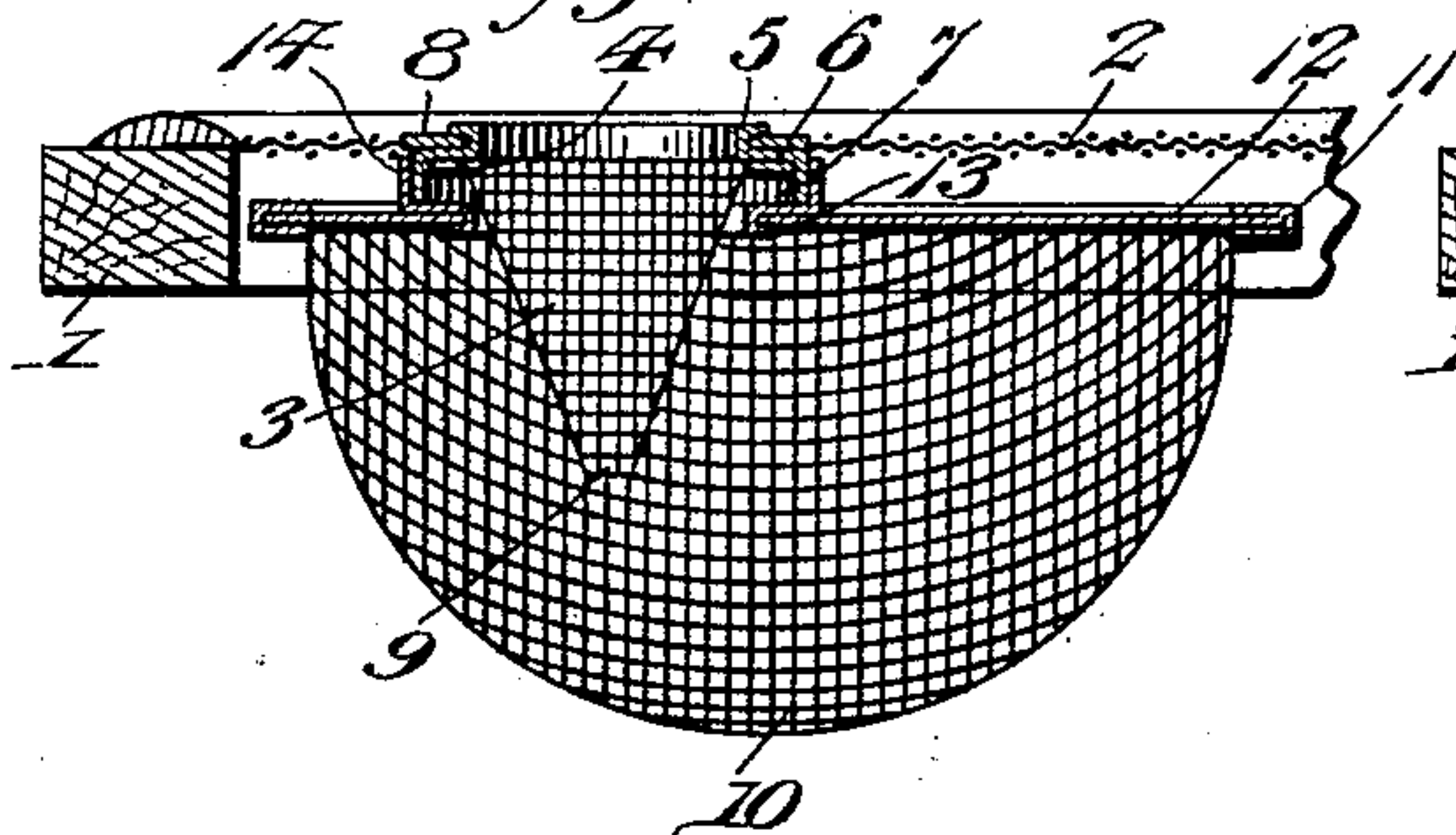
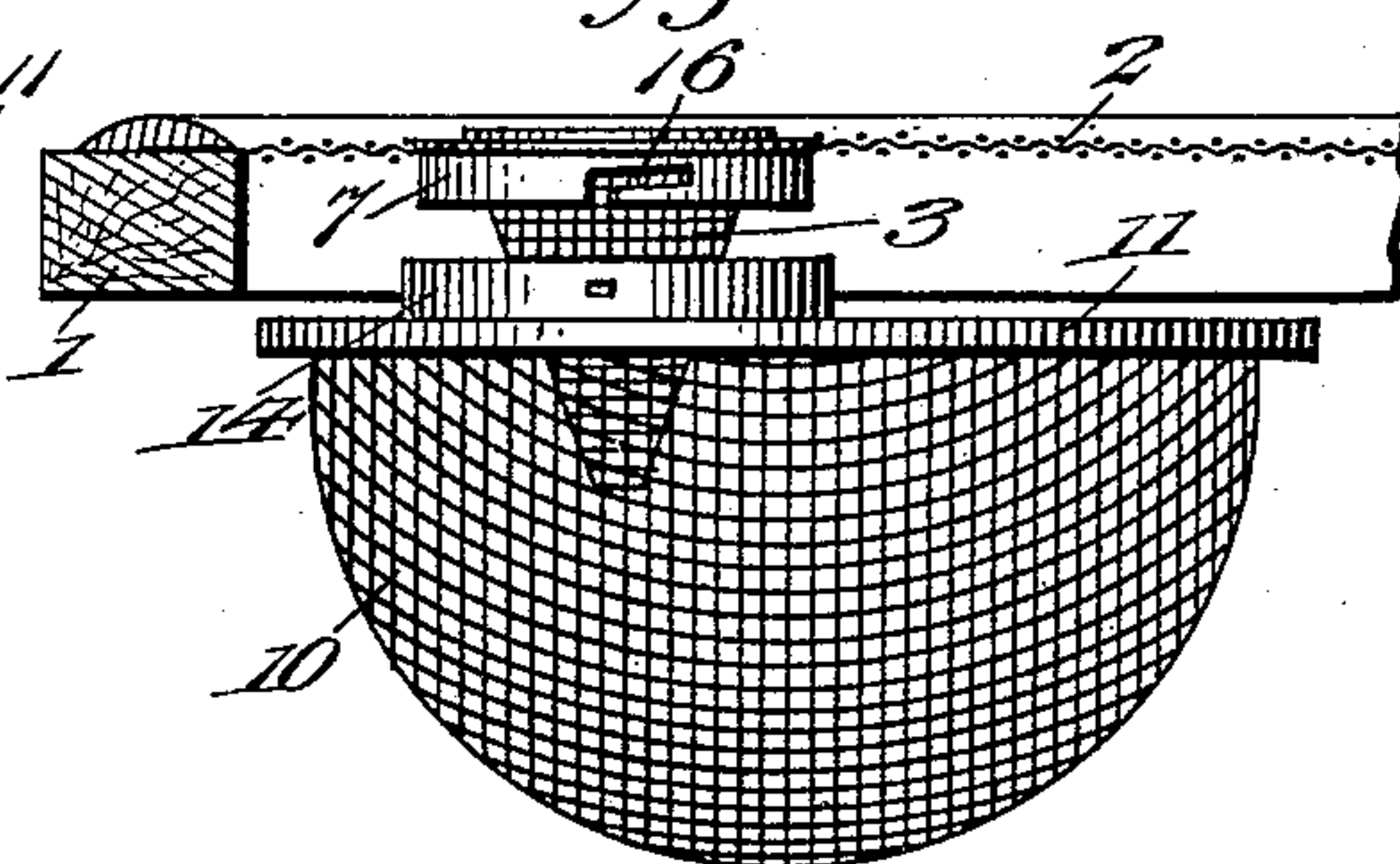


Fig. 3.



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FLY-TRAP.

SPECIFICATION forming part of Letters Patent No. 705,959, dated July 29, 1902.

Application filed November 20, 1901. Serial No. 83,053. (No model.)

To all whom it may concern:

Be it known that I, EDSON POTTER, a citizen of the United States, residing at and whose post-office address is Greensburg, in the
5 county of Decatur and State of Indiana, have invented new and useful Improvements in Fly-Traps, of which the following is a specification.

My invention relates to fly-traps, and more
10 particularly to fly-trap attachments for window and door screens.

The object of the invention is to provide an attachment for screens which serves as an egress for flies through which they may readily
15 pass, but which will be so constructed as to prevent the entrance of flies therethrough.

The invention also comprises means for trapping the flies after they have passed through the screen.

20 The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form part of this specification, and its novel features will be defined in the appended
25 claims.

In the drawings, Figure 1 is a view in perspective of a portion of a window or door screen with my improvement applied thereto. Fig. 2 is a horizontal section of the same, and
30 Fig. 3 is a horizontal section of the window or door screen and a top view of the means for connecting the auxiliary trap to the screen.

The reference-numeral 1 designates the frame of the screen, and 2 the wire netting or
35 screen proper, formed with an opening to receive securing means which carries a cone 3 of wire-netting, the base of the cone being attached to a ring 4, serving as a flange to retain the cone within the securing means.

40 The securing means comprises a grooved collar 5, having forwardly and downwardly projecting portions 6 and 7, respectively. The downwardly-projecting portion 7 forms an annular flange in which the ring 4, carrying the
45 cone 3, is secured. The collar 5 is adapted to fit within the opening in the screen 2 and is held therein by a washer 8, fitting within the groove and clamping the screen between the washer and the flange 6, thereby securing the
50 cone 3 to the screen. The apex of the cone is formed with an opening 9, through which flies escape.

10 designates a semispherical auxiliary trap of wire-netting, having secured thereto an annular grooved flange 11, carrying with-
55 in its groove a disk 12, closing said trap, and provided with an opening to receive a grooved collar 13, having an outwardly-projecting flange 14.

The cone 3 is adapted to extend within the
60 opening in the disk 12 into the auxiliary trap 10, and said trap is secured to the cone through the medium of inwardly-projecting lugs 14^a, secured upon the inner face of the flange
65 15 to engage bayonet-slots 16, formed in the flange 7.

The utility and operation of the improvement may be explained as follows: The base of the cone 3 being open, the flies readily pass
70 into the cone and out through the opening in the apex thereof into the auxiliary trap 10. The latter may be quickly attached to and detached from the screen, as the flange 14 fits over the flange 7 of the collar 5 and by a slight turn is connected or disconnected by
75 means of the bayonet-slot 16 and lug 15.

By the means thus described, and shown in the drawings, the room may be speedily freed from flies and their return effectually pre-
80 vented.

I claim—

1. The combination with a screen formed with an opening, of a grooved collar having an annular flange and fitting in said opening, a cone having an opening in its apex, and a
85 flange secured to said cone adapted to fit in said annular flange to secure the cone to the screen.

2. The combination with a screen formed with an opening, of a grooved collar having
90 an annular flange and fitting in the opening, said flange being provided with bayonet-slots, a cone having an opening in its apex, a flange secured to said cone adapted to fit in said annular flange to secure the cone to the screen,
95 a trap, a flange secured to said trap, and lugs upon the last-mentioned flange adapted to engage said bayonet-slots.

3. The combination with a trap, of a grooved flange secured to the base of said trap, a disk
100 having an opening and fitting in said groove to close the bottom of said trap, and a cone fitting in said opening.

4. The combination with a screen formed

with an opening, of a grooved collar having
an annular flange and fitting in said opening,
a cone having an opening in its apex, a flange
secured to said cone adapted to fit in said an-
5 nular flange, securing the cone to the collar,
a semispherical trap, a grooved flange secured
to said trap, a disk having an opening and
fitting in said groove, a grooved collar having
a flange and fitting in said last-mentioned

opening, a lug upon said flange to engage a 10
bayonet-joint in said first-mentioned flange.

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

EDSON POTTER.

Witnesses:

RUFUS P. HAMILTON,
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