

No. 884,145.

PATENTED APR. 7, 1908.

B. GOODMAN.
SCREEN.

APPLICATION FILED SEPT. 13, 1907.

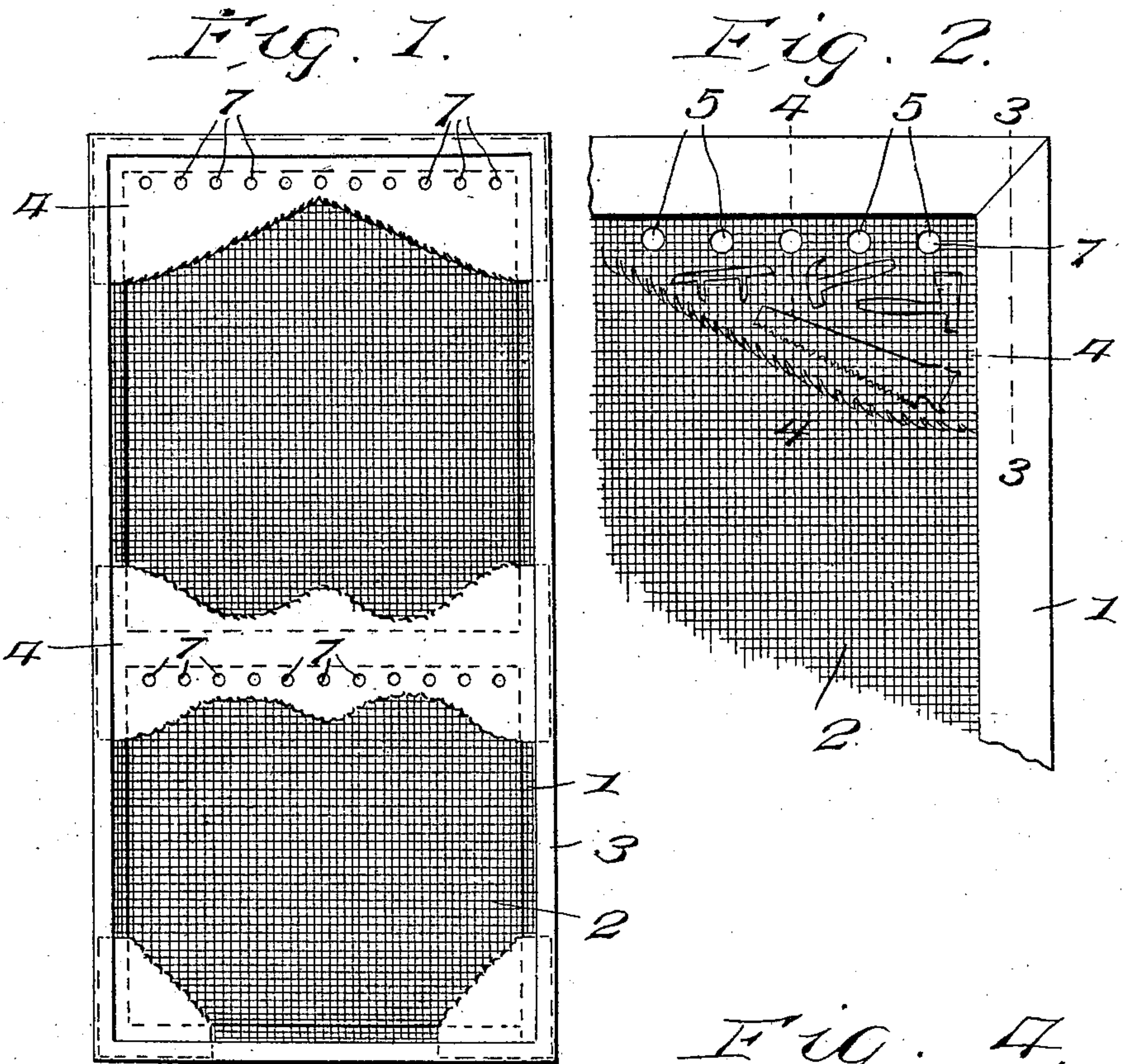
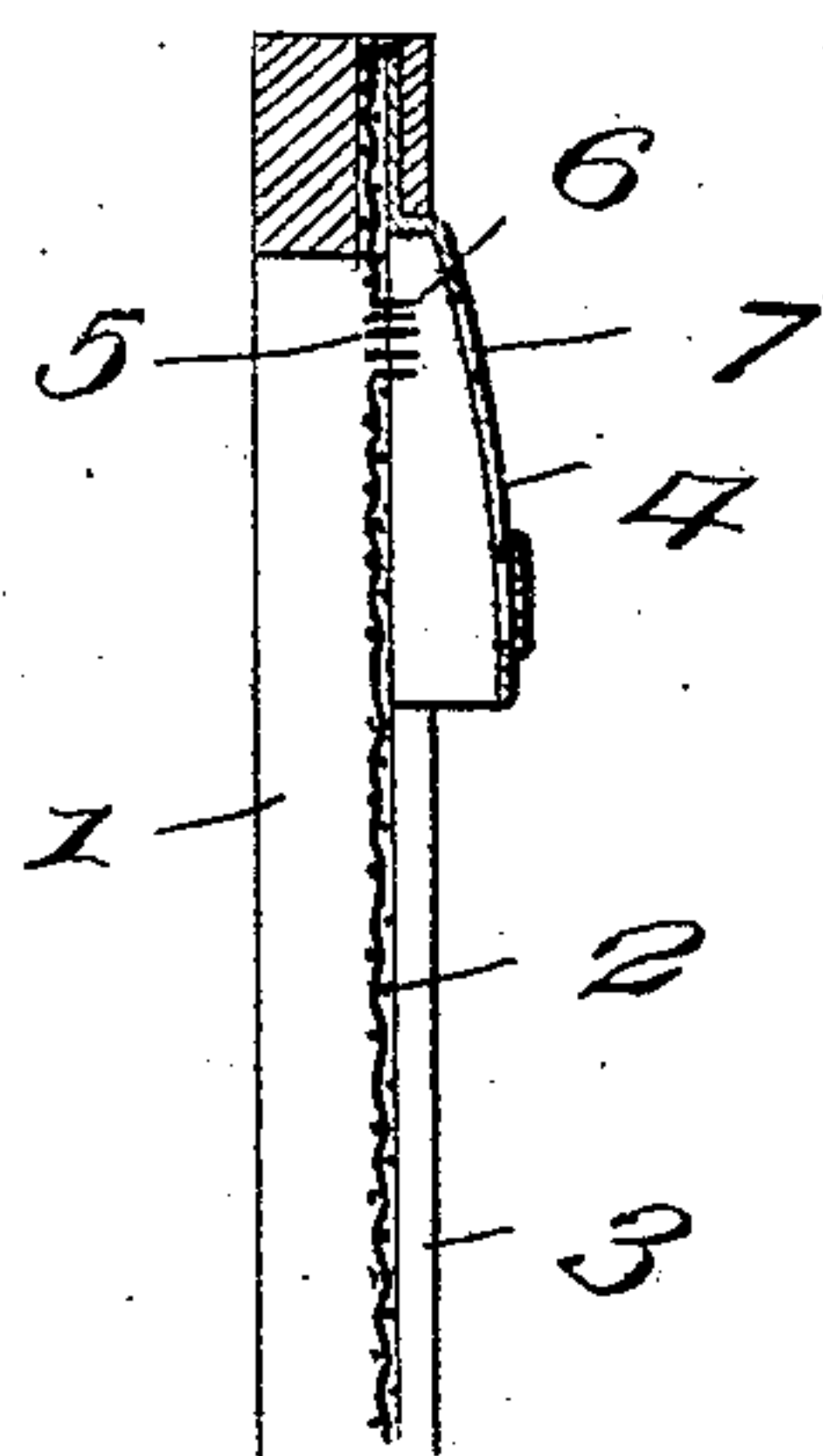
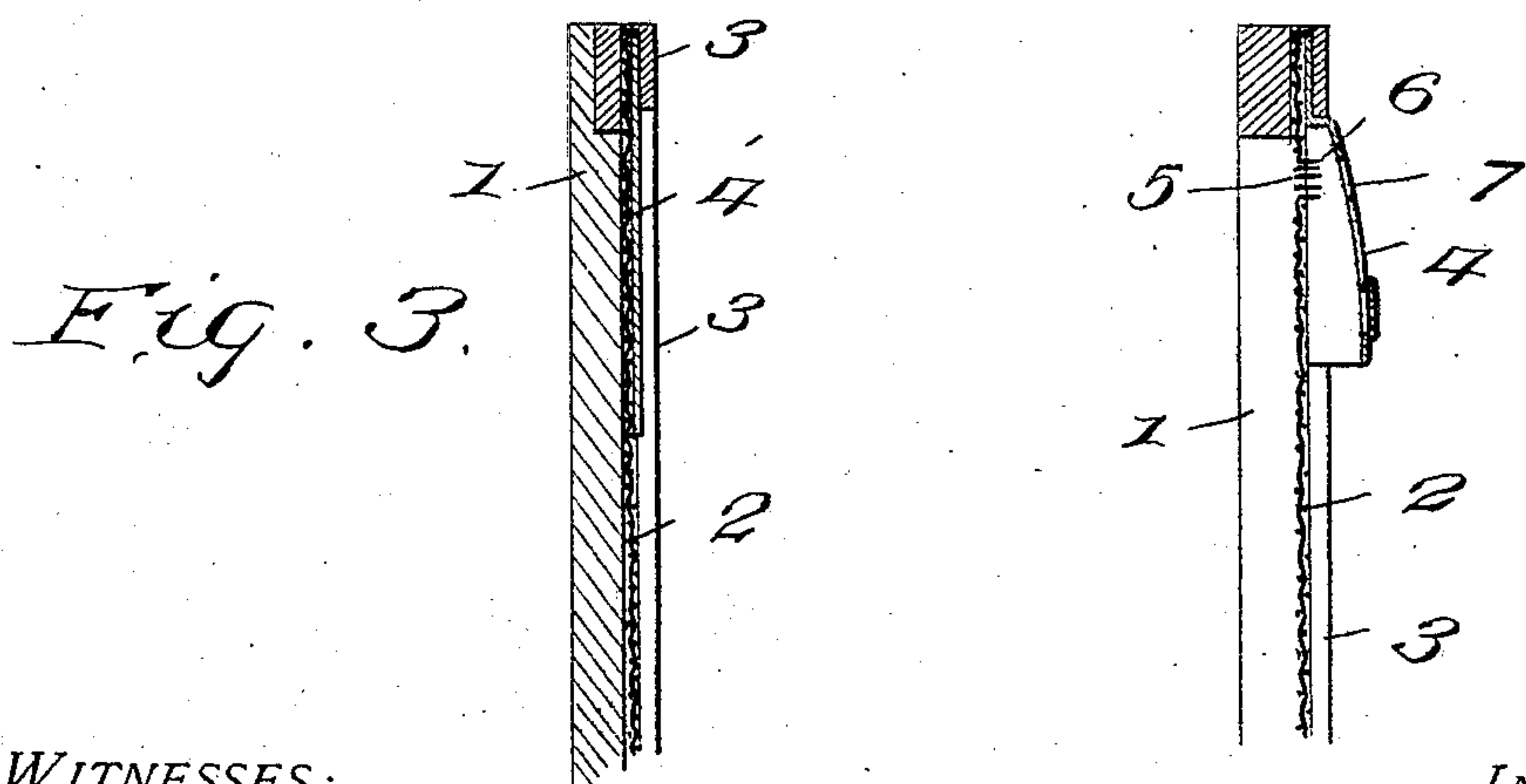


Fig. 4.



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SCREEN.

No. 884,145.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BENEDICT GOODMAN, a citizen of the United States, residing at Wallace, in the county of Wallace and State of Kansas, have invented certain new and useful Improvements in Screens; 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 new and useful improvements in screen attachments and more particularly to that class adapted to be used in connection with window and door screens and my object is to provide means for reinforcing the parts of the frame and form pockets thereon.

A further object is to provide openings in the screen below the pockets, through which insects, such as flies, may pass to escape from the room.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is an elevation of the exterior of a screen. Fig. 2 is an interior view of one corner of the screen, on an enlarged scale. Fig. 3 is a sectional view as seen on line 3—3, Fig. 2. Fig. 4 is a sectional view as seen on line 4—4, Fig. 2.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a frame, which may be constructed in the usual or any preferred manner, to one face of which is secured a screen 2, said screen being preferably formed of woven wire, and is secured to the frame by placing binding strips 3 over the edges of the screen 2 and securing the strips to the frame.

In order to reinforce the parts of the frame and, at the same time, provide means for causing flies to pass through openings in the screen, I provide metallic plates 4, which are preferably secured at the corners of the frame and across the central portion thereof, as best shown in Fig. 1, the plate at the upper end of the frame preferably extending the full width thereof and, if desired, said plates may be provided with various curvatures and indentations and the surfaces thereof may also be provided with variously shaped im-

plements or articles, as shown in Fig. 2 of the drawings.

The plate at the upper end of the frame is also extended from the face of the screen, so as to form a pocket and that portion of the screen below the plate is provided with a plurality of openings 5, through which insects, such as flies may pass, and in order to prevent the flies from entering the openings from the outside of the screen, each of the openings is provided with a plurality of spurs 6, which radiate from the screen and prevent insects from entering through the openings. The plate 4 preferably secured in place by clamping the lateral edges thereof under the screen-securing strips 3 and having, as in the case of the like plate at the upper end of the screen-frame, its central portion offset from the screen, with its lower and upper edges preferably of the curved or undulatory outline disclosed is also provided with a plurality of openings 7, which are in registration with the openings 5 in the screen, whereby when the flies on the inner surface of the screen, reach the openings 5, the light entering through the openings 7 in the plate, induce the flies to pass through the openings 5 in the screen and escape to the outer atmosphere through the openings 7.

As shown in Fig. 1, the plate 4, at the central portion of the frame, is also provided with the openings 7, which are adapted to cooperate with the openings 5, placed in the screen 2 at this point.

It is a well-known characteristic of a fly, or like insect, when endeavoring to escape from a room, to alight upon a screen and travel towards the upper end thereof and another characteristic is to pass through the first opening encountered, through which light is shown and it will be readily seen that by providing the openings 5 in the screens, below the plates 4 and providing openings in the plates in registration with the openings in the screen, the light entering through the opening 7 will be pronounced at this point, thereby inducing the flies to pass through the openings 5 to the outside of the screen.

As before stated, the surface of the plate 4 may be provided with indentations to indicate various forms of tools or for various other purposes, the object in providing said characters on the plate being to provide a unique form of advertising, as, for instance, when the screen is employed in connection

with a hard-ware store, a number of the articles being sold in the store may be shown on the plates and the edges of the plates may be provided with teeth to represent a saw
5 and various other articles and, as the plates are preferably located on the outer face of the screen, the various characters shown thereon will immediately attract the attention and especially so, if the articles formed
10 by the indentations are painted in a different color from the remainder of the plate.

It will further be seen that by providing the plate as shown, the parts of the frame will be greatly strengthened without materi-
15 ally adding to the cost of the frame.

What I claim is:

A screen provided at its upper end and about centrally thereof with lines or rows of

fly-exits and with offset guard-plates upon its outside and adapted to form outlet-cham- 20
bers opposite said fly-exits, the upper end guard-plate formed chamber only opening downwardly and the central guard-plate formed chamber opening both upwardly and downwardly, said guard plates each having a 25
line or row of light-emitting openings arranged opposite the aforesaid lines of fly-exits.

In testimony whereof I have signed my name to this specification in the presence of 30
two subscribing witnesses.

BENEDICT GOODMAN

Witnesses:

MILES ORTON,
THOS. L. CARNEY.