

H. A. SILVER.
AMUSEMENT DEVICE.
APPLICATION FILED DEC. 22, 1919.

1,352,841.

Patented Sept. 14, 1920.

4 SHEETS—SHEET 1.

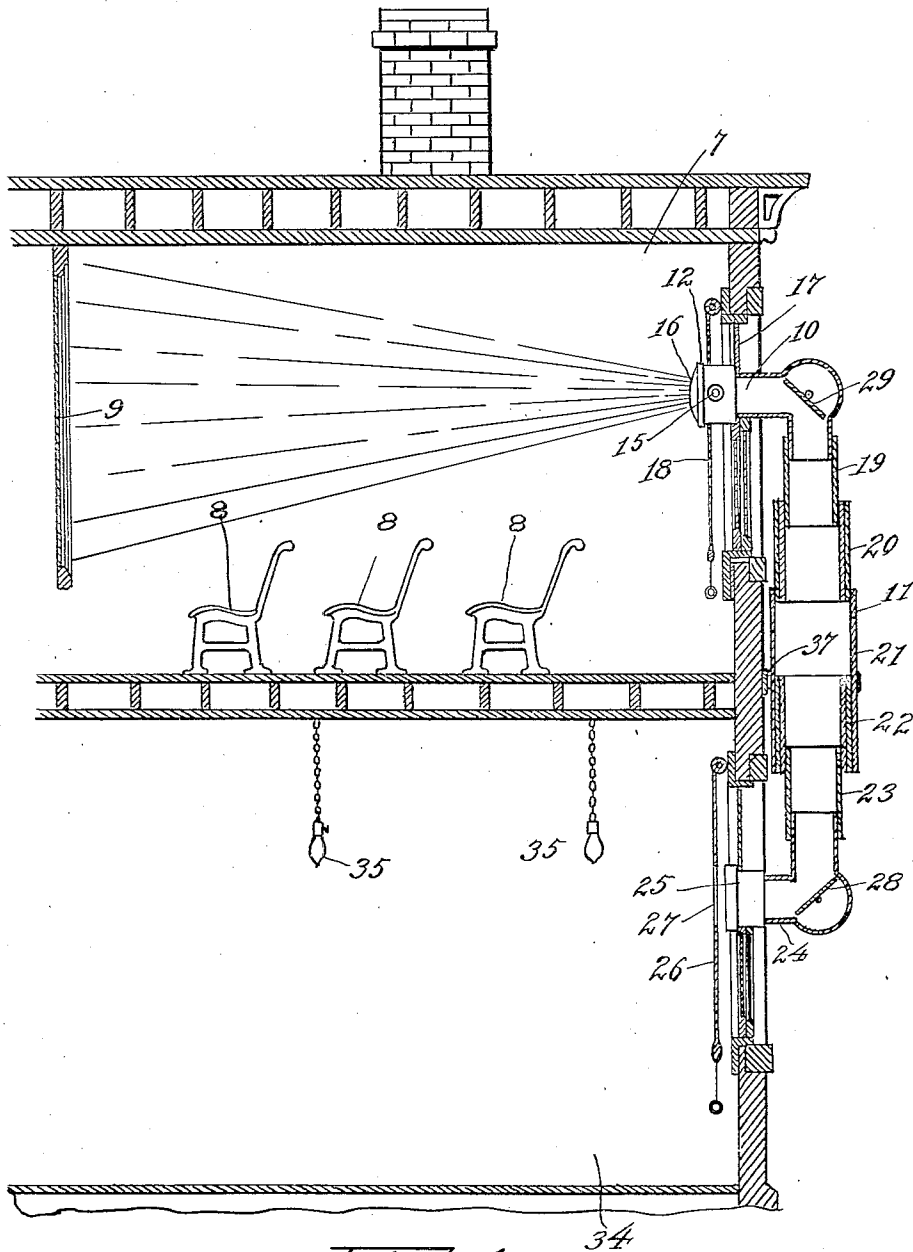


FIG. 1.

Inventor:

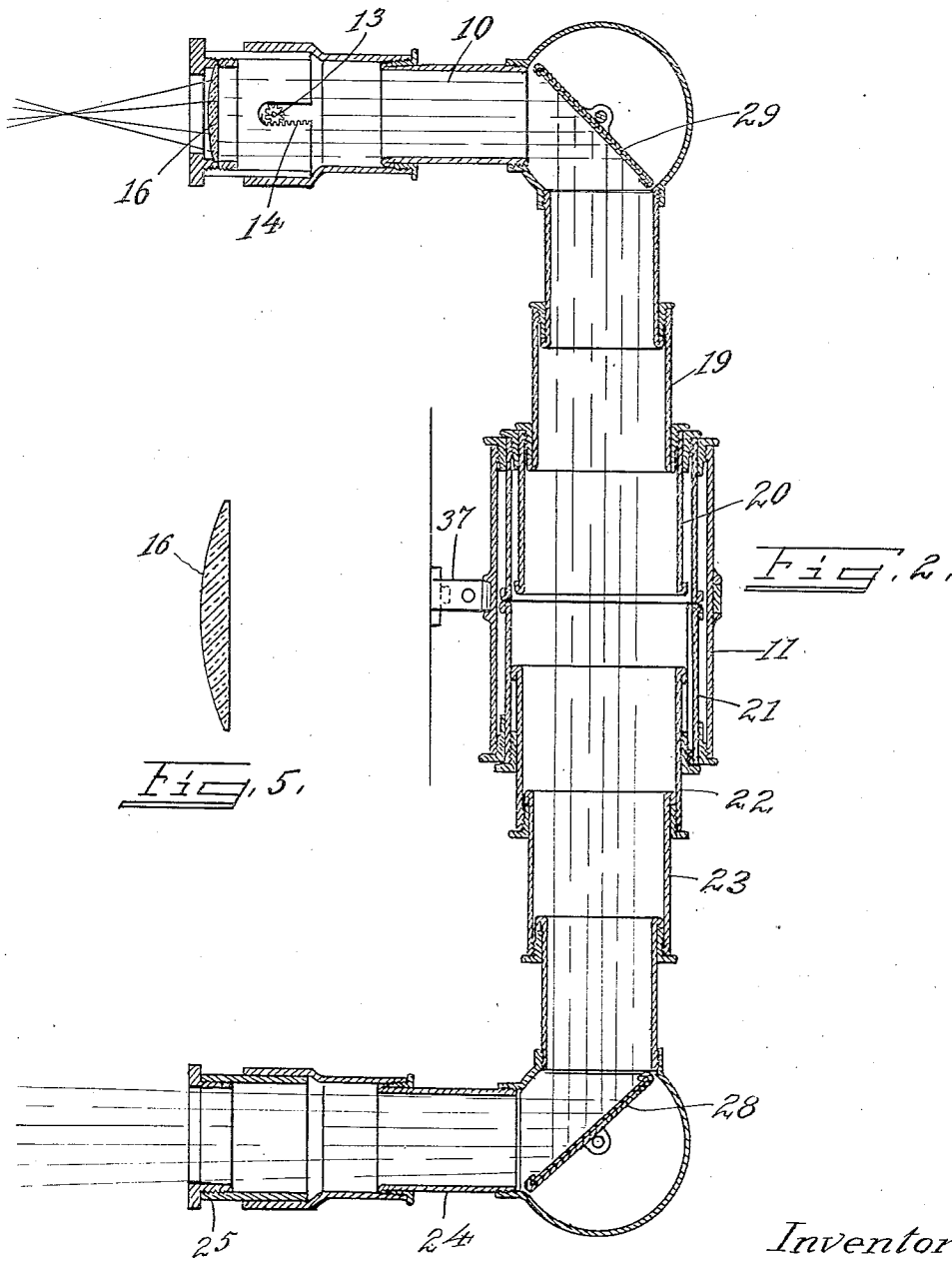
Herbert A. Silver

H. A. SILVER.
AMUSEMENT DEVICE.
APPLICATION FILED DEC. 22, 1919.

1,352,841.

Patented Sept. 14, 1920.

4 SHEETS—SHEET 2.



Inventor:

Herbert A. Silver

H. A. SILVER.
AMUSEMENT DEVICE.
APPLICATION FILED DEC. 22, 1919.

1,352,841.

Patented Sept. 14, 1920.

4 SHEETS—SHEET 3.

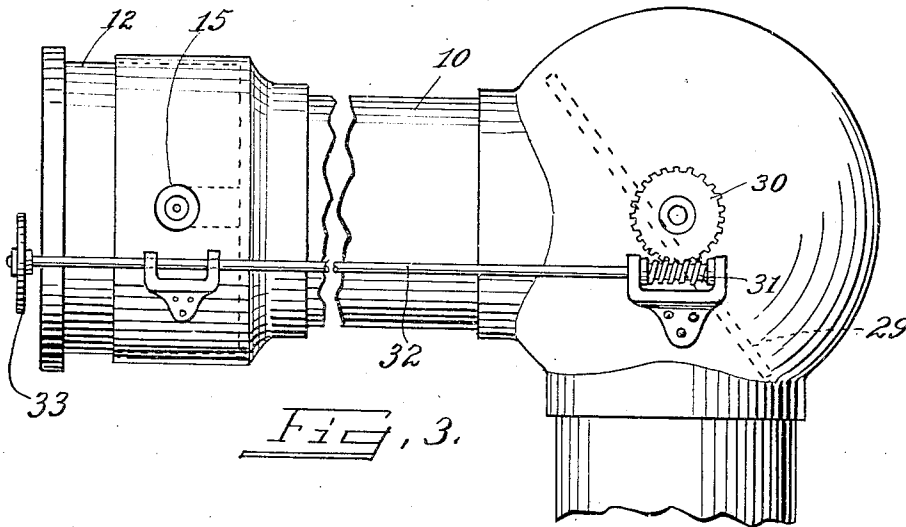


Fig. 3.

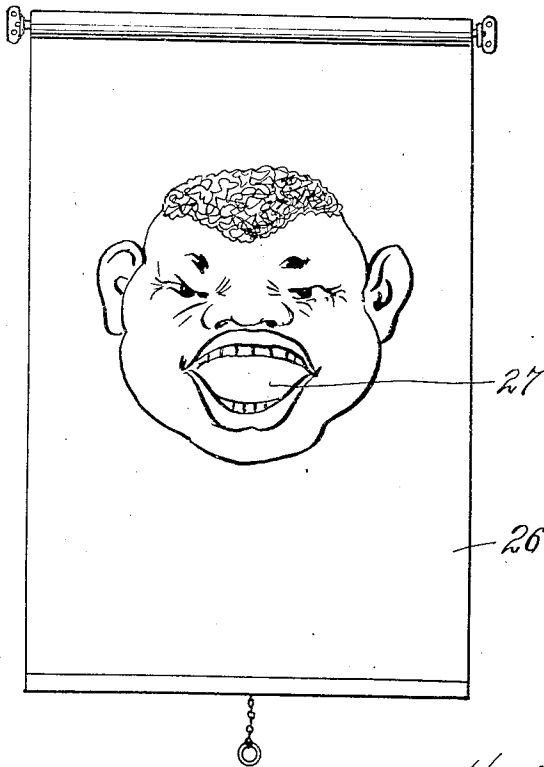


Fig. 4.

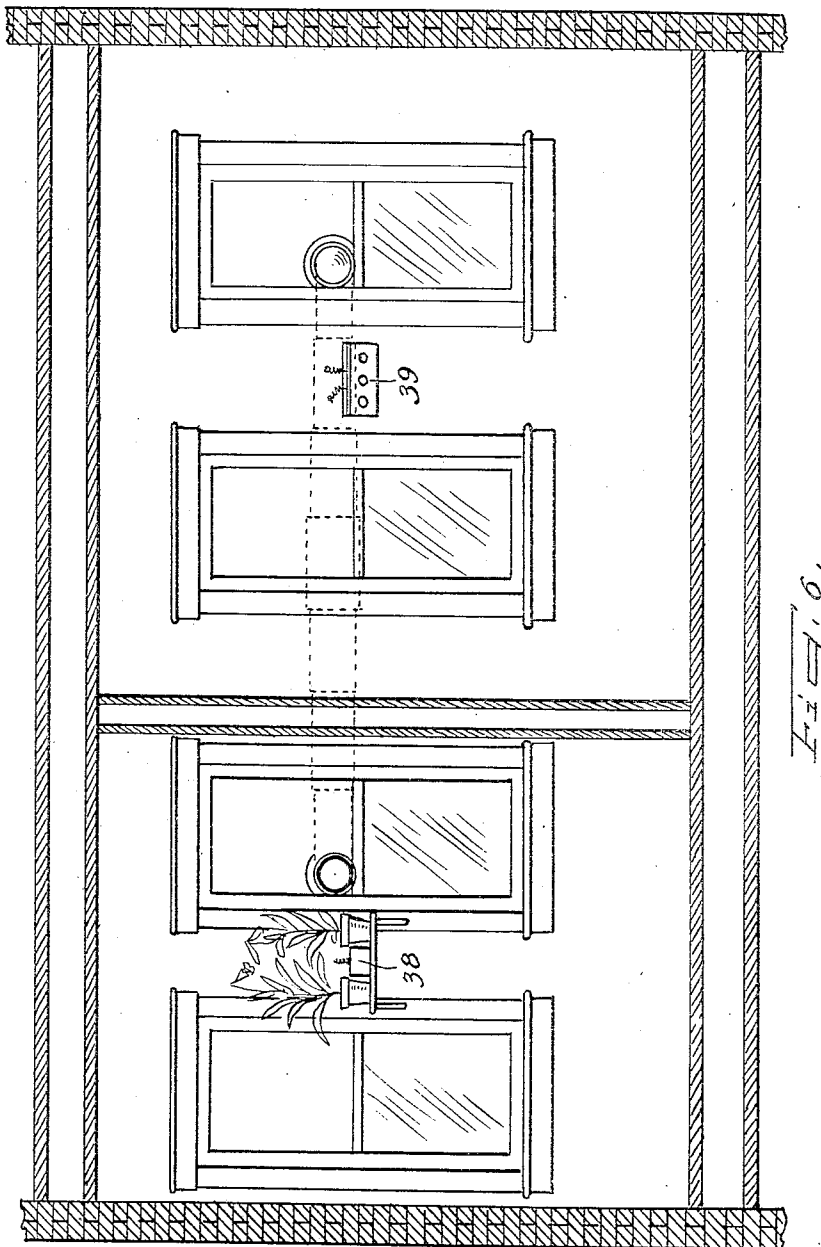
Inventor:

Herbert A. Silver

H. A. SILVER.
AMUSEMENT DEVICE.
APPLICATION FILED DEC. 22, 1919.

1,352,841.

Patented Sept. 14, 1920.
4 SHEETS—SHEET 4.



Inventor:

Herbert A. Silver

UNITED STATES PATENT OFFICE.

HERBERT A. SILVER, OF CINCINNATI, OHIO.

AMUSEMENT DEVICE.

1,352,841.

Specification of Letters Patent. Patented Sept. 14, 1920.

Application filed December 22, 1919. Serial No. 346,497.

To all whom it may concern:

Be it known that I, HERBERT A. SILVER, a citizen of the United States, residing in Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in an Amusement Device, of which the following is a specification.

An object of my invention is to produce an improved amusement device of the type resembling the well known camera obscura, which, coupled with certain details of improved construction in combination with added instrumentalities, cooperate to reproduce in one room and in image form natural position, condition, color and sound, the actions, noises, etc., of a staged or otherwise piece of acting or other amusement.

This and other objects are attained in the device described in the following specification and illustrated in the accompanying drawings in which:—

Figure 1 is a sectional elevation of a building having a device embodying my invention applied thereto.

Fig. 2 is a sectional elevational view of the angular image projection tube embodying a detail of my invention, upon a somewhat enlarged scale.

Fig. 3 is a fragmental elevational view of one end of the image projection tube shown in Fig. 2, upon a greatly increased scale.

Fig. 4 is a front view of a window shade embodying a detail of my invention.

Fig. 5 is a transverse sectional view of a lens embodying a detail of my invention.

Fig. 6 is a transverse sectional view of a building showing a modified application of my invention to the rooms thereof.

In the form of my invention shown in Fig. 1, an upper room 7 to which it is applied, is provided with seats 8 to seat an audience in facing position with relation to a screen 9 of oiled tracing cloth, ground glass, paraffined cloth, or similar material. Back of the seats and located in the upper portion of a window frame in which the window sashes have been lowered, I have located the inwardly projecting end 10 of an image projection tube 11. The end 10 has a cap 12, see Figs. 2 and 3, which is adjustable by means of a pinion 13 meshing with teeth 14 on the cap and operated by a knob 15. In this cap a lens 16 is located for purposes to be hereinafter explained. To close the space surrounding the end 10 I

position a notched board 17 and to render all that transpires on the screen and within the room obscure to outsiders I provide a shade 18 having an opening therein for the projecting end of the projection tube.

At right angles to the end 10 of the projection tube, and extending downwardly therefrom, is the main part of the tube, consisting of a series of telescoping sections 19, 20, 21, 22 and 23. The lower one of these sections telescopes with a lower end 24 having a plain apertured cap 25 closing the end thereof and located in the upper portion of a window in the wall of a room of the floor below, in the same manner that the upper end is located in the window above. This lower end 25 is concealed from the observation of those in the room below, by means of a shade 26 having an opening therein which is disguised by some such device as the face shown on the shade in Fig. 4, the mouth 27 of which constitutes the opening. Each shade in the room is similarly provided so as to avoid arousing the suspicions of those in the room.

Within the projection tube at the angles thereof, adjustable mirrors 28 and 29 are provided, means such as shown in Fig. 3, being attached thereto to render the mirrors adjustable with ease, so as to bring them in focus with the objects themselves, and the screen. This means consists of the worm gear 30 operated by the worm 31 which is rotated by shaft 32 and hand wheel 33. To render the movements of those in room 34 more clearly projected upon the screen, I have provided the lights 35. Inasmuch as the positioning of the projection tube from window to window of adjacent rooms is a mere temporary one, I have provided an abutment support 37 to keep the telescoping sections in correct alinement.

In Fig. 6 the same device as I have described above, is shown applied to the windows of rooms side by side. In addition the application thereto of a dictograph or loud speaking telephone is shown, the transmitting instrument 38 of which is located between two potted plants or in another inconspicuous position to avoid being seen, while the receiving instrument 39 is positioned in the adjacent room where those in the next room may be heard as well as seen.

In the construction above described the lens 16 is of the plano convex type and is

particularly adapted to project an image of life size proportions upon the screen in the audience room, the true colors also being portrayed accurately. The audience room
5 being darkened to permit the images to be seen upon the screen, will also prevent anyone at the opposite end of the tube from seeing anyone or anything in the audience room.

10 Also the dictograph will act to permit those in room 7 to hear all sounds in room 34, but prevent the reversal of sounds from room 7 to room 34.

Having thus described my invention what
15 I claim is:

1. An amusement device consisting of the combination in an image projection device
20 affording visible communication between adjacent rooms of a building containing the device, of a tube connecting the rooms, means adapted detachably to mount the tube in openings in walls of the rooms, a shade
25 in one of the adjacent rooms, adapted to disguise the end of the tube in that room, and a lens at the end of the tube in the

other of the adjacent rooms, adapted to permit the projection of images from the first to the second mentioned rooms, and whereby the projection of images from the second to the first mentioned rooms is prevented. 30

2. An amusement device consisting of the combination in an image projection device affording visible communication between adjacent rooms of a building containing the
35 device, of a tube consisting of telescoping members adapted to be extended to connect openings in the walls of adjacent rooms, a shade in one of the adjacent rooms, adapted to disguise the end of the tube in that room, 40 and a lens at the end of the tube in the other of the adjacent rooms, adapted to permit the projection of images from the first to the second mentioned rooms.

In witness whereof, I affix my signature 45 in the presence of two witnesses.

HERBERT A. SILVER.

Witnesses:

JOSEPH A. SULLIVAN,
W. J. SCHULTZ.