

(No Model.)

J. A HAAG.

SIGN.

No. 390,777.

Patented Oct. 9, 1888.

Fig. 1.

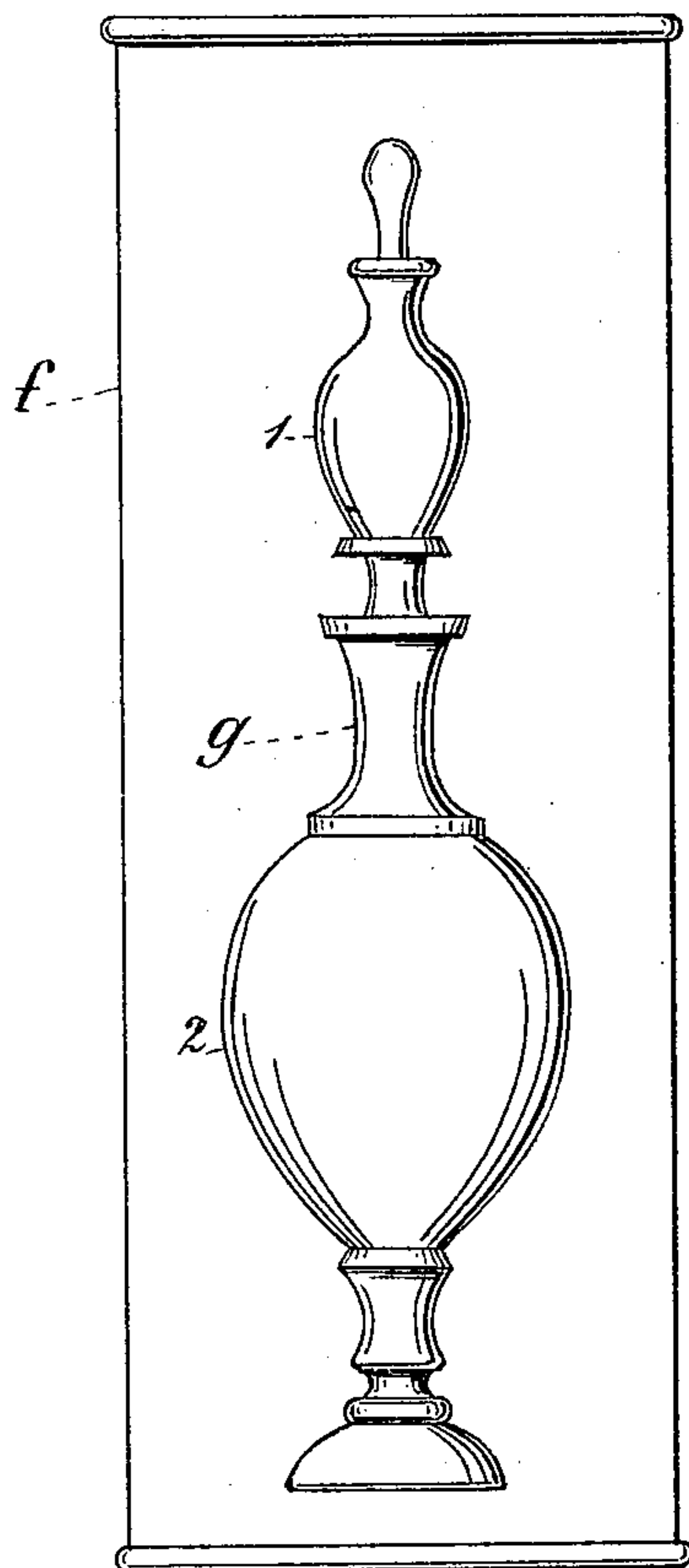
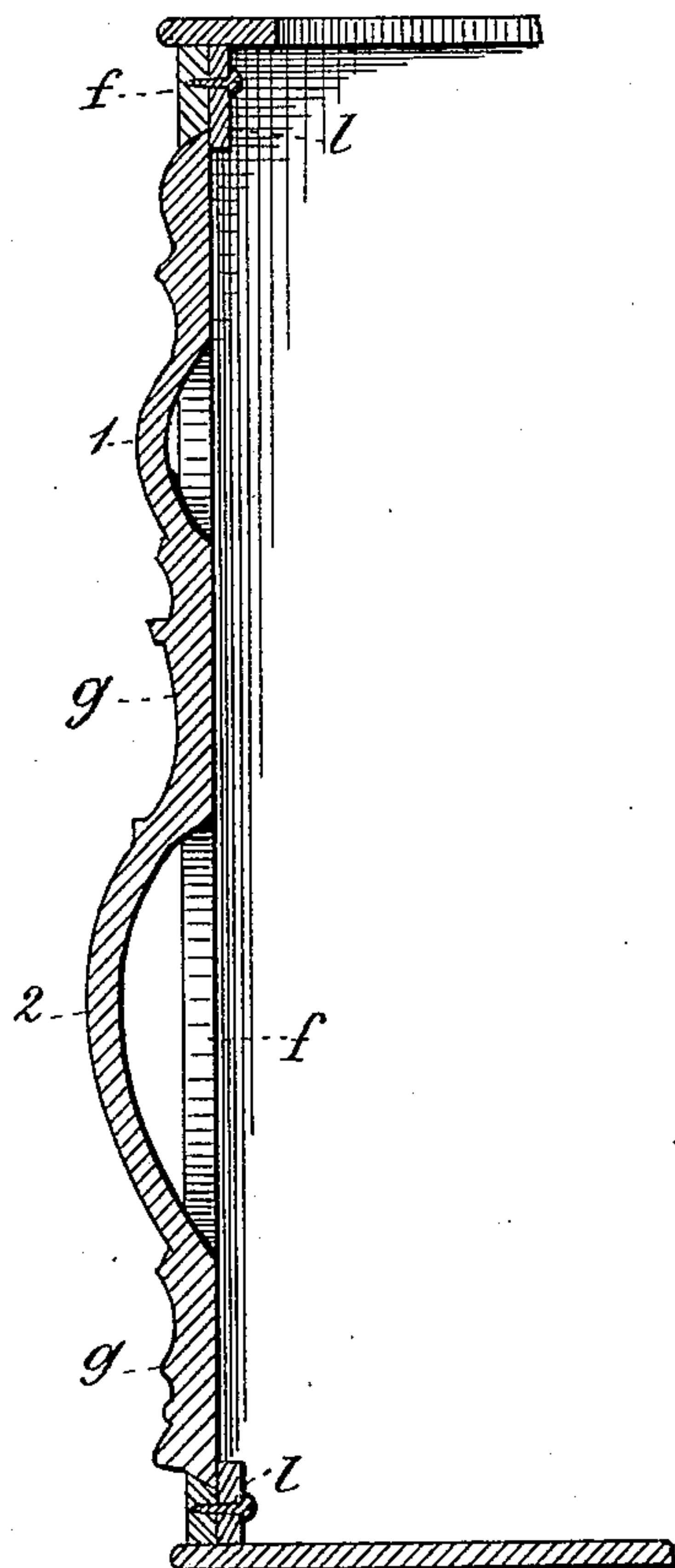


Fig. 2.



WITNESSES.

Gustav Bohn.
E. B. Griffith.

INVENTOR.

Julius A. Haag.
By C. F. Jacobs.
att'y.

UNITED STATES PATENT OFFICE.

JULIUS A. HAAG, OF INDIANAPOLIS, INDIANA.

SIGN.

SPECIFICATION forming part of Letters Patent No. 390,777, dated October 9, 1888.

Application filed December 13, 1887. Serial No. 257,805. (No model.)

To all whom it may concern:

Be it known that I, JULIUS A. HAAG, of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful
5 Improvements in Signs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters refer to like parts.

10 My invention relates to the construction of illuminated signs for druggists and other merchants, and will be understood from the following description.

In the drawings, Figure 1 represents a side
15 view of my device. Fig. 2 is a vertical section through the center of the same.

The sign is composed of a hollow frame or box, *f*, made in any suitable shape, and is intended to contain lights within for illuminating the same, and to be attached to the front
20 of a building; but I lay no stress whatever upon the shape of the frame or the arrangement of the lights in the case. The side of this frame is cut out to leave an opening which
25 conforms in general outline and shape to the figure which is intended to be used upon the design, and this opening is to be filled with a figure made of glass or other transparent or translucent material, and of such size as to
30 close up the opening made in the side of the frame, and to be secured therein by any convenient means—such as a strip, cement, or other well-known devices.

In the drawings, the figure outlined is made
35 of glass and represents upon the outside a druggist's bottle composed of an upper part, 1, and a lower part, 2, the upper one apparently forming the stopper for the lower.

g represents the entire glass figure thus com-
40 posed of the parts 1 and 2. This figure has the outline of the bottle preferably only upon the side which is displayed, and which projects through the frame of the sign. Its inner side is partly flat and partly concave, as shown
45 in Fig. 2. The concave parts, as shown in Fig. 2, represent on the opposite side the convex or body portion of the bottles. These parts formed in this way practically operate as bull's-eyes or lenses, so that when a light is placed
50 behind them it is magnified and thrown out to a great distance, and the color of the glass

will determine, of course, the color of the light which is thus thrown out. This glass piece *g* may be formed in one, two, or more pieces, the parts being united by laps or in any other de-
55 sired manner, and strips *l* may be used at the top and bottom for holding the glass body in place in the opening of the sign. The advantages of this construction are quite obvious. The large show-bottle ordinarily used by drug-
60 gists and placed in a window, containing colored liquids and illuminated by lights behind, is expensive, bulky to handle, and liable to be broken, and when placed behind a window
65 the frost upon the pane will effectually hide the light ordinarily transmitted through it.

My invention dispenses with the use of large bottles, and only requires that the figure should be outlined, as shown, in glass, the opposite side being made partly flat and partly concave
70 to conform to the requirements of the figure and the case. The bulging parts may be made of greater or less thickness, as desired, and the sign thus made will perform all the offices of the illuminated bottles without any of the risk
75 or danger and little of the expense attending the same. The sign thus made is light, portable, easily set up, and easily removed, and if one of the glass figures be broken it may be replaced with a small expense.
80

If desired, the figure *g* may be made with its outline the same on both sides; but this is a question of cost of construction or convenience only.

What I claim as my invention, and desire to
85 secure by Letters Patent, is the following:

1. A sign composed of a case or frame-work, *f*, having openings formed therein representing any suitable design, such openings closed by one or more pieces, *g*, formed of glass or
90 other similar material, and projecting beyond such frame, the profile of such pieces also representing the required design, all combined substantially as shown and described.

2. A sign composed of a frame having open-
95 ings cut therein representing a suitable design, its outline parallel with the front of the case, such openings closed by a corresponding figure of glass or other similar material, the configuration of its profile also being that of the re-
100 quired design, substantially as shown and described.

3. The case *f*, having openings cut in one or
more of its sides, such openings closed by the
pieces *g*, formed of a single piece of glass or
similar material, its profile conforming to the
5 shape of the required design and projecting
beyond the face of the frame, the two secured
in position with means for uniting the same,
substantially as shown and described.

In witness whereof I have hereunto set my
hand this 6th day of December, 1887.

JULIUS A. HAAG.

Witnesses:

C. P. JACOBS,

E. B. GRIFFITH.