

No. 680,659.

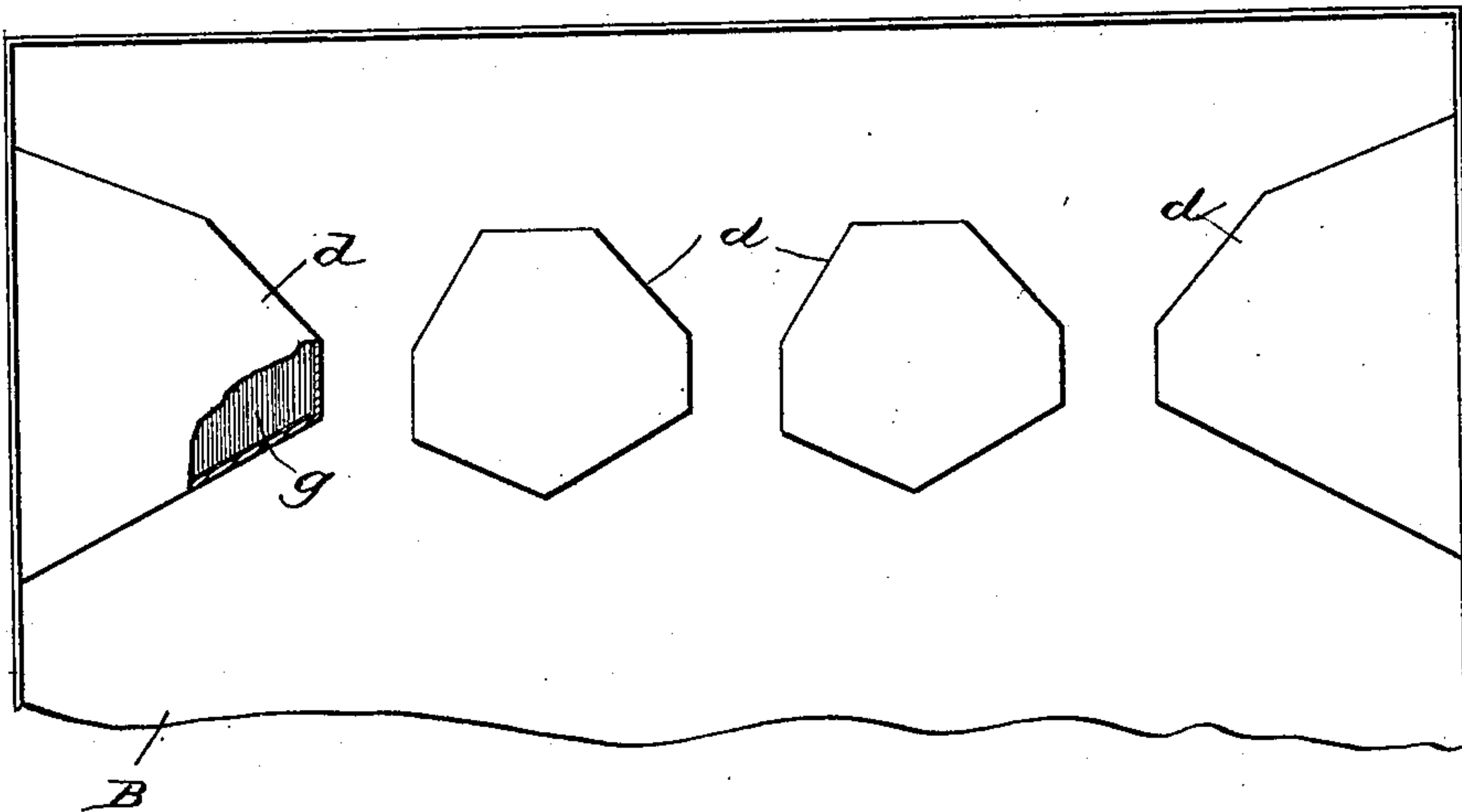
Patented Aug. 13, 1901.

F. A. HORLE.  
DISPLAY BOX.

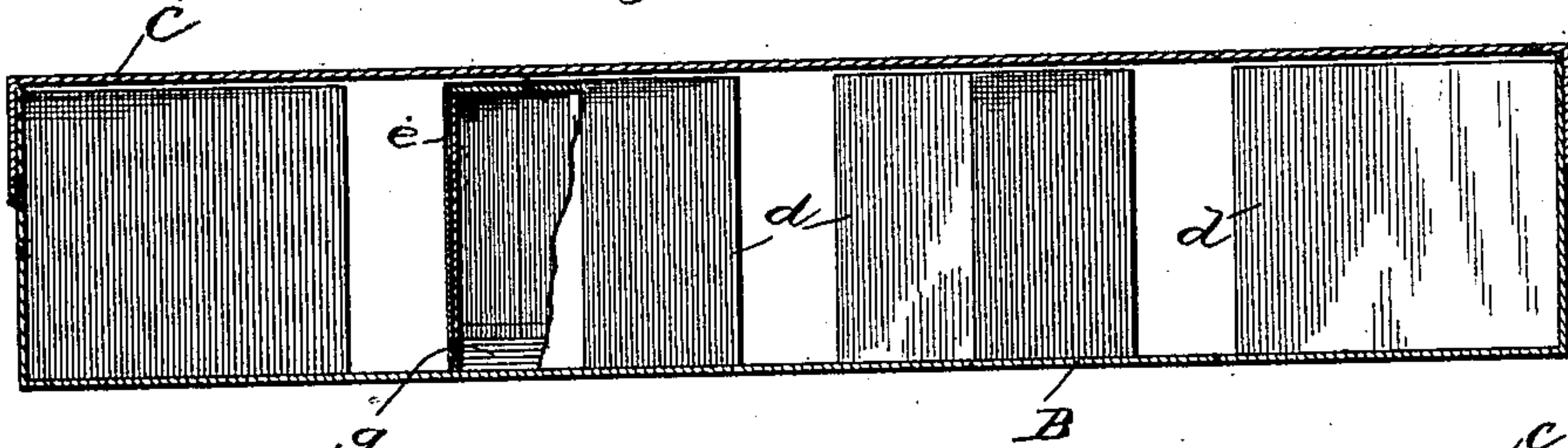
(Application filed Aug. 3, 1900.)

(No Model.)

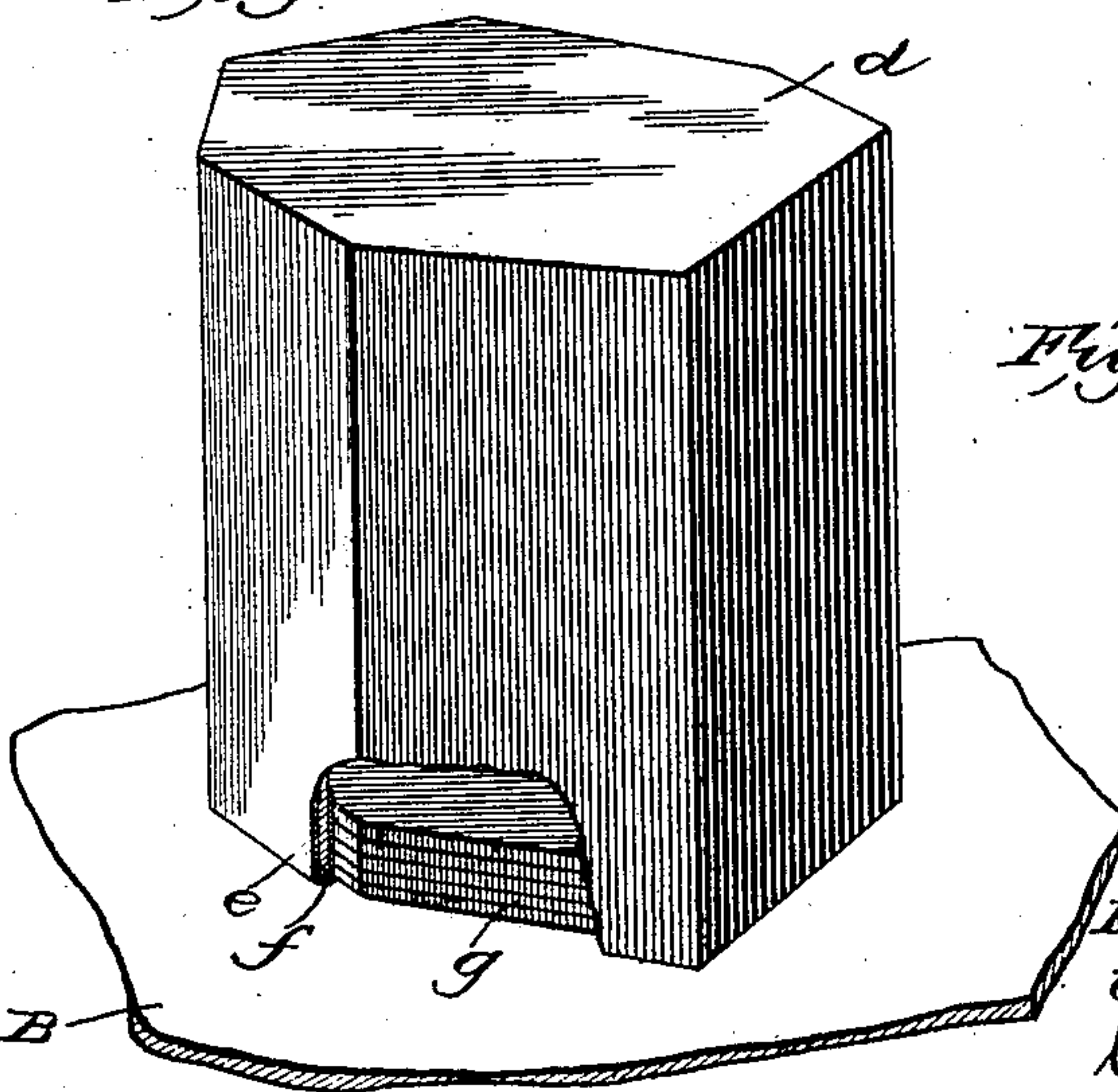
*Fig. 1.*



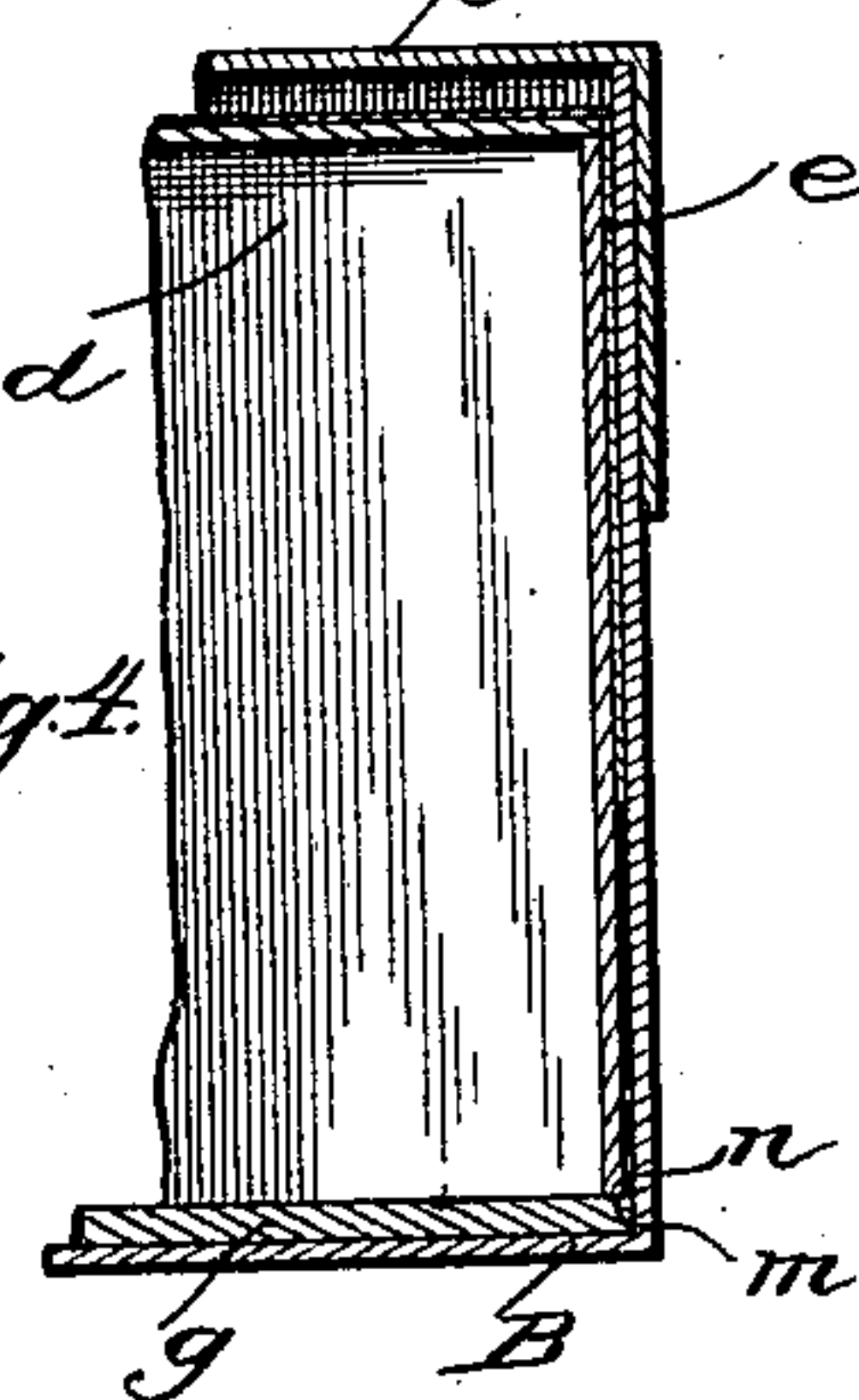
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



witnesses.

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# UNITED STATES PATENT OFFICE.

FRANCIS A. HORLE, OF BOSTON, MASSACHUSETTS.

## DISPLAY-BOX.

SPECIFICATION forming part of Letters Patent No. 680,659, dated August 13, 1901.

Application filed August 3, 1900. Serial No. 25,735. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS A. HORLE, a citizen of the United States, residing at Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Display-Boxes, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention relates to display-boxes, and it has particular reference to such display-boxes as are used for holding and exhibiting for sale neckties and like articles, the object of the invention being to provide a simple and inexpensive box which will be stouter and more durable than such boxes as they are at present made, and one in which the posts will be accurately placed and positively held in position. As this type of box is ordinarily constructed, the box proper is provided with a series of suitable posts or holders, which are generally made of cardboard, and between which the neckties or other articles are sustained, said posts or holders being covered with any suitable paper in order to give a finished appearance to the article, and said paper covering is made to project beyond the lower ends of the posts or holders, such projecting ends being bent outward and glued to the bottom of the box, thereby securing the said posts or holders in position. It has been found in practice, however, that this manner of securing the posts to the box-bottom is insufficient, for the covering-paper either tears along the lower corner of the post or the ends which are glued to the bottom of the box pull off from the box. In order to overcome these difficulties, I provide a display-box with tubular posts or holders of irregular shape and secure such posts or holders in place by setting them over holding lugs or projections which preferably have been previously secured to the bottom of the box in any suitable way, said holding lugs or projections being of such a shape as to fit the interior of the tubular posts.

Referring to the drawings, Figure 1 is a plan view of a portion of a box made according to my invention with the cover removed. Fig. 2 is a vertical section through the box. Fig. 3 is a detail of one of the posts or holders, showing the manner of securing it to the

box-bottom; and Fig. 4 is a detail showing one way of securing the end posts to the box.

The box is represented by B and its cover by C, these preferably being made of cardboard and being of any suitable size or shape, according to the articles which are to be contained therein.

The box illustrated is designed especially as a necktie-box, and hence there will be preferably four posts *d*, which, as usual in boxes of this character, are of irregular shape, two of the posts being placed centrally of the box and two other posts of irregular shape being placed adjacent to and abutting the sides of the box. These posts are preferably tubular and may be made of cardboard or any other suitable substance, they being preferably covered, as at *e*, with some suitable material, such as paper, in order to give a more finished appearance to the box. The lower edge of the covering material *e* instead of being bent outwardly at the foot of the posts and glued to the box-bottom, as is common, is turned inwardly around the lower edge of the post and secured to the inner surface of said post, as shown at *f* in Fig. 3.

It is of importance in a necktie-box to have the posts properly positioned and securely held in such position, and this I have accomplished by securing on the bottom of the box in the proper position and in any suitable way a series of holding lugs or projections *g*, which are preferably of such a size as to fit the interior of the tubular posts *d*, as shown in Fig. 3, and which serve not only to securely retain the said posts in their position in the box, but also to properly position them, the said posts or holders when in place being preferably glued to the lugs or projections, to thereby form an integral part of the box. The holding projections may be made of any suitable material, but preferably I make them of one or more layers of cardboard, (see Fig. 3,) such layers being secured together and to the box-bottom in any suitable way—as, for instance, by gluing.

In the manufacture of boxes according to my invention I deem it best to first secure the holding lugs or projections on the box-bottom and afterward fasten the posts to said lugs, for the said lugs can then be accurately positioned, so that when placed thereon the posts



will be positively maintained in the correct position.

As shown in Fig. 4 of the drawings, the lugs for those posts which abut against the sides of the box may be set tight against the box side, as shown at *m*, in which case the side of the post adjacent the abutting box side is cut away at its lower end, as seen at *n*, and rests on top of the lug, such construction affording means for more accurately positioning the lug. It is to be understood, however, that if desired the posts adjacent the sides of the box may have the same construction as the central posts, in which case the lugs would be set a slight distance from the box side.

With a box made as above described it will be seen that the lower ends of the tubular holders or posts form recesses in which the lugs or projections *g* fit, thereby securing said holders firmly in place.

It will be obvious that it is not necessary that the holders *d* be tubular, as represented, this being only a preferred form, but only that said holders have in their bases suitable recesses into which the lugs or projections on the bottom of the box may enter in order to secure the holders in place.

The holders *d* in my box are stronger and more durable than in the ordinary box by reason of the fact that the lugs *g* act as strengthening-pieces to prevent the lower end of the post from being crushed in and from being torn from its fastenings.

Although I have described my invention with reference to a display-box for neckties or other articles, it is obvious that it is not limited to such use, but may be employed in any structure where it is desired to secure a tubular or other-shaped holder to the bottom or sides of a box, and I therefore wish it understood that my invention may be modified in various ways within the scope of the appended claims.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A display-box for neckties having an irregularly-shaped projection permanently secured thereto, and a correspondingly-shaped post or holder, the inner walls of which entirely surround and are permanently secured to the sides of said projection.

2. A display-box for neckties having a series of irregularly-shaped lugs or projections,

permanently attached to its bottom, and a series of correspondingly-shaped tubular holders for the neckties fitted over and permanently secured to the lugs or projections.

3. As an article of manufacture, a pasteboard box having a series of irregular-shaped lugs or projections rising from its bottom, and a corresponding series of tubular holders, each holder having the same contour as its lug and fitted over and fixedly secured to the same.

4. As an article of manufacture, a pasteboard display-box having a series of holders for supporting the articles exhibited, each holder having in its base an irregular-shaped recess, and a corresponding series of projections fast on the bottom of the box, said projections fitting the recesses in the holders and securing them in place.

5. As an article of manufacture, a pasteboard display-box having a series of tubular holders for supporting neckties, and a corresponding series of projections permanently secured to the box-bottom, and fitting the inner walls of the tubular holders, said holders being permanently secured to the sides of the projections, and each having an outside covering of suitable material which is folded over the lower edges thereof, and secured between the inner walls of said holders and the projections.

6. As an article of manufacture, a pasteboard display-box for neckties having a series of tubular holders, a series of projections permanently secured to the box-bottom and fitting the inner wall of the tubular holders, the end projections of the series abutting the side walls of the box, and the central holders of the series having their walls entirely surrounding and secured to the sides of the corresponding projections, and the end holders being cut away at their lower ends on that side adjacent the abutting box side to rest upon the projection, the remaining sides of the said holders surrounding and being secured to the sides of the corresponding projection.

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

FRANCIS A. HORLE.

Witnesses:

GEO. W. GREGORY,  
LOUIS C. SMITH.