

(No Model.)

G. F. WATERS.

REVERSIBLE TUMBLER HOLDER.

No. 395,409.

Patented Jan. 1, 1889.

Fig 2.

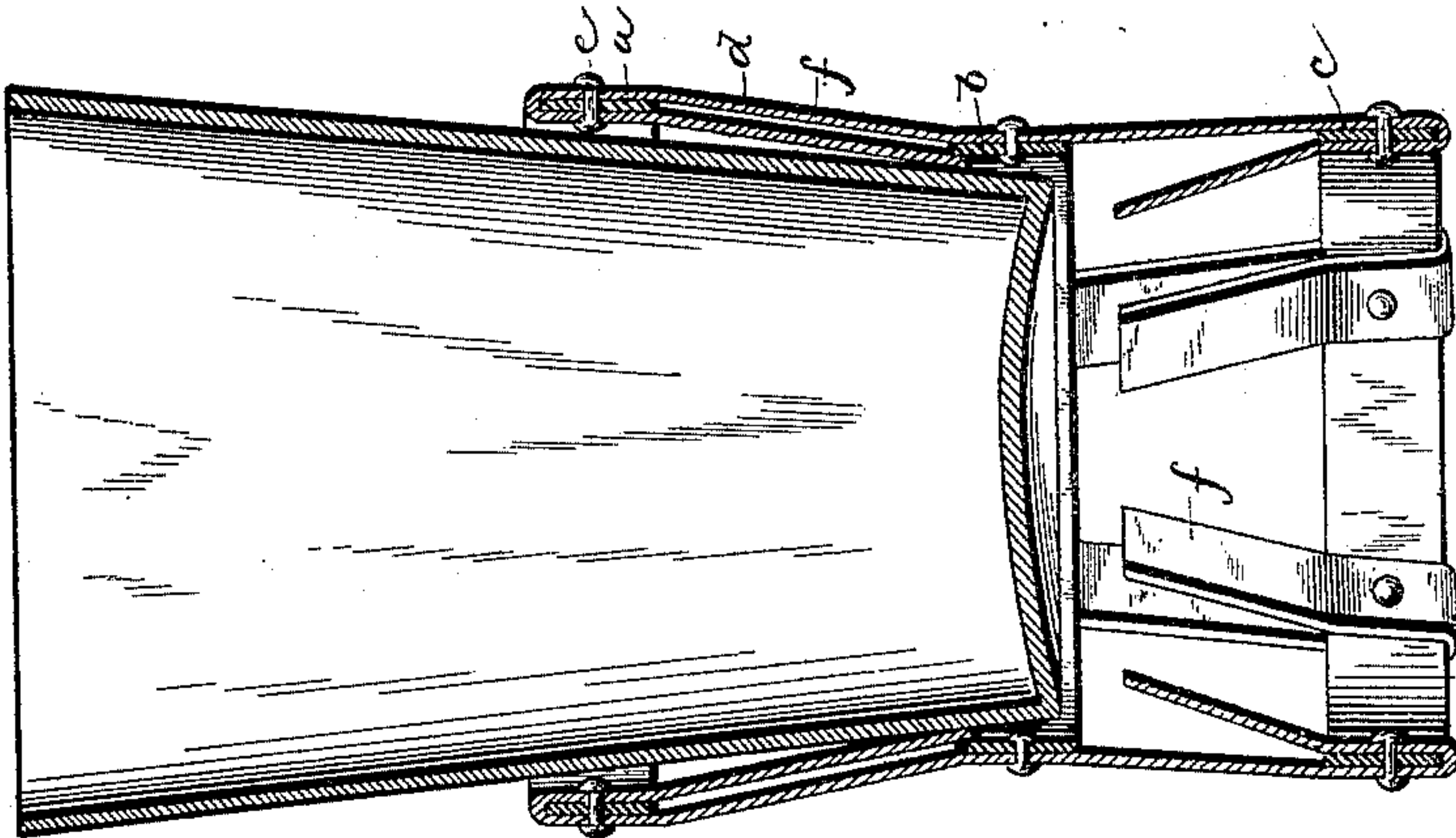


Fig 1.

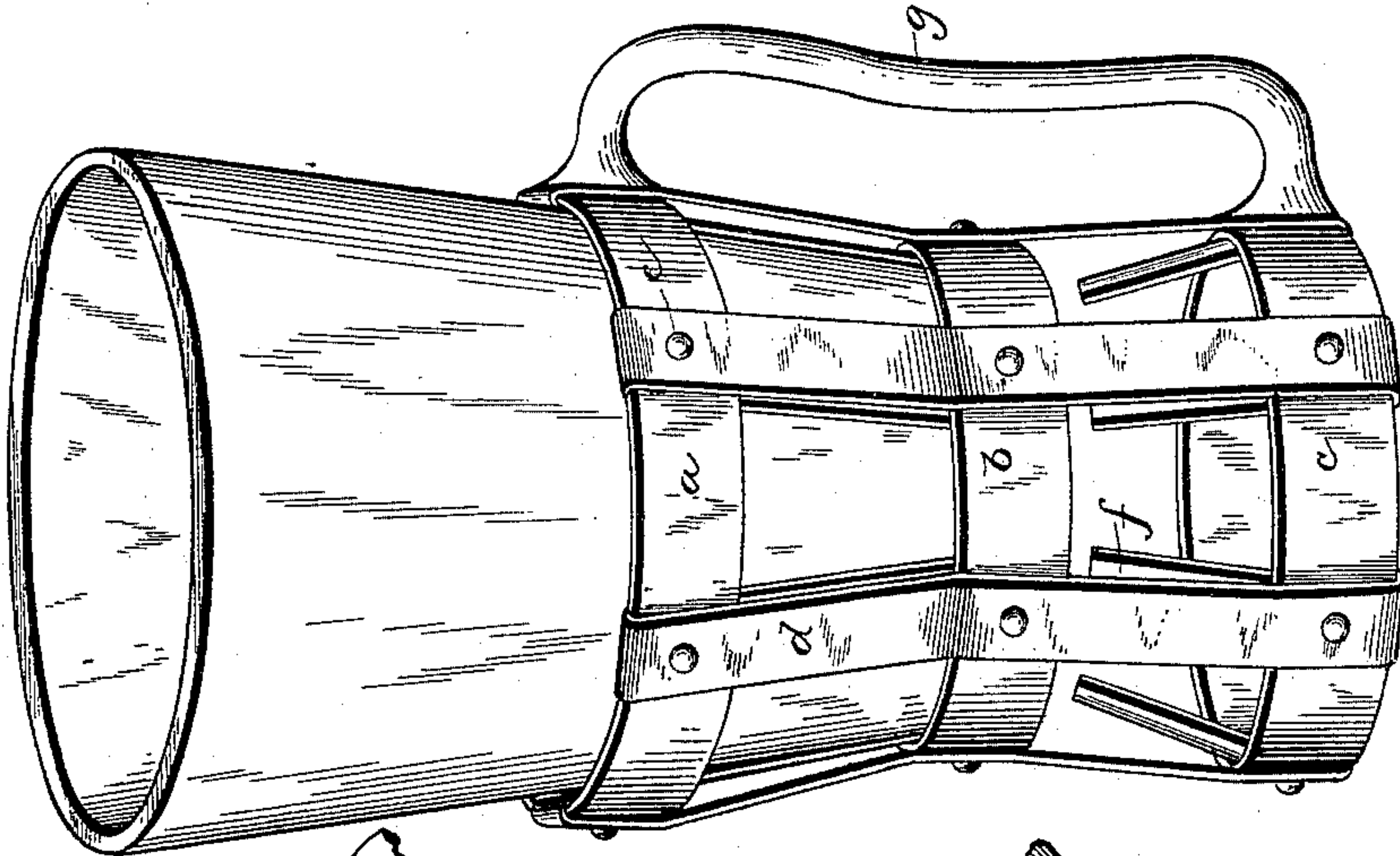
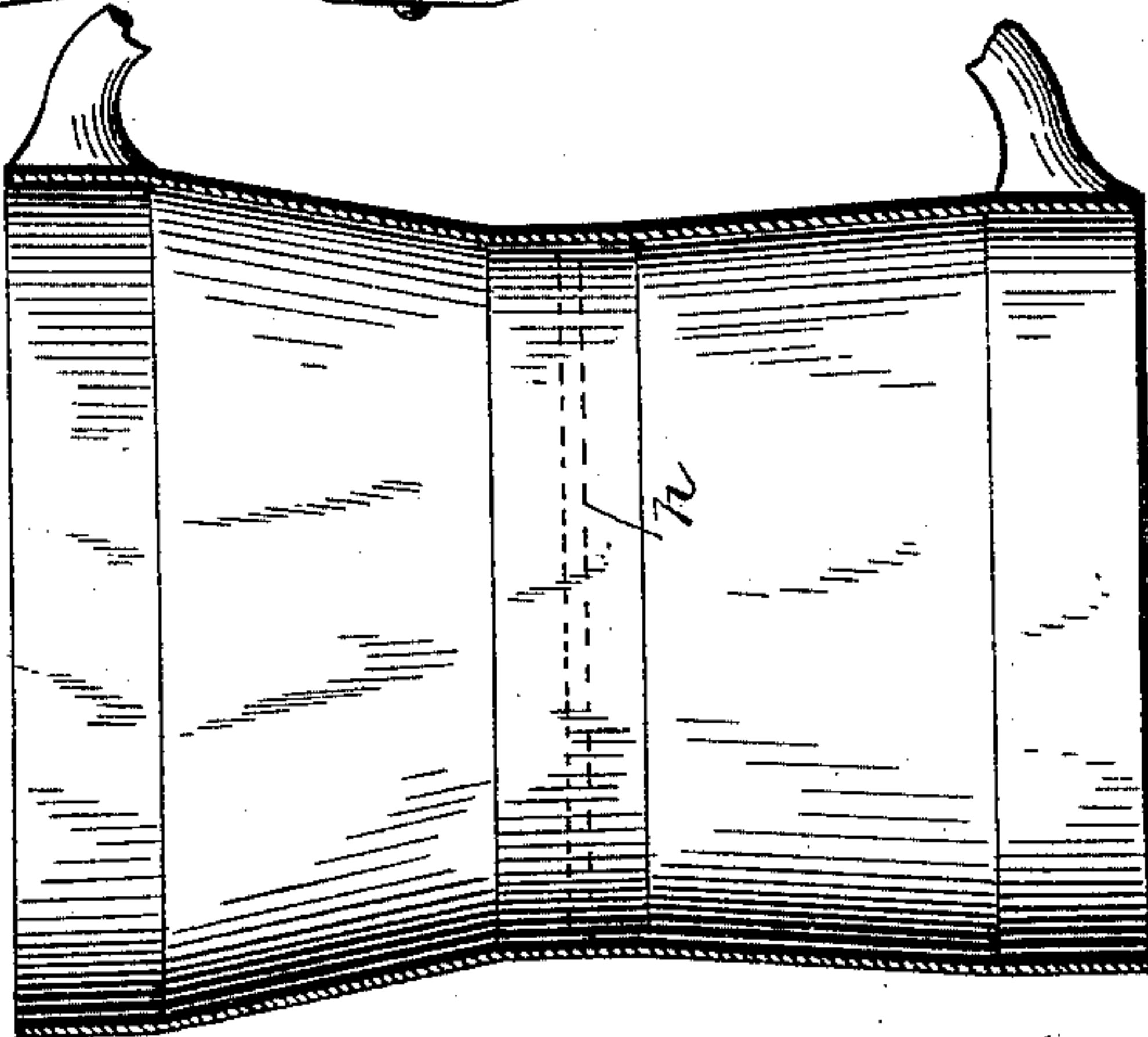


Fig 3.



WITNESSES.

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INVENTOR.

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by  
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# UNITED STATES PATENT OFFICE.

GEORGE FRANCIS WATERS, OF WASHINGTON, DISTRICT OF COLUMBIA, AS-  
SIGNOR OF ONE-HALF TO FRANCIS McC. CRISWELL, OF SAME PLACE.

## REVERSIBLE TUMBLER-HOLDER.

SPECIFICATION forming part of Letters Patent No. 395,409, dated January 1, 1889.

Application filed April 14, 1888. Serial No. 270,707. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE FRANCIS WATERS, a citizen of the United States, residing at Washington, in the District of Columbia, have invented a certain new and useful Improvement in Reversible Tumbler-Holders, of which the following is a full, clear, and exact description.

The object of this invention is to provide a holder for tumblers which may be used to receive the various kinds of tumblers employed for serving soda and mineral waters and other beverages.

As is well known, the tumblers ordinarily employed for serving the beverages referred to differ in size and more especially in diameter, and thus it becomes necessary to employ a variety of holders for such tumblers of corresponding size. Ordinarily such holders are adapted to receive only one size of the style of tumbler they are designed for. Thus a holder for a soda-water tumbler is too large for the proper reception of a mineral-water tumbler; and so, also, a holder for a tumbler for mineral waters is too small to receive a soda-water tumbler. It thus becomes necessary to provide a number of different sizes of holders, and as these holders are rather expensive they become an item of considerable cost to dispensers of soda and mineral waters. Moreover, should all of the holders of a given kind be in use at one time and a demand be made upon the dispenser for more of the same kind, the demand could not be supplied till one or more of those in use are at the disposal of the dispenser, thus occasioning delay to the customer and annoyance to the dispenser. In my invention I combine in one device a holder that may be used for either kind of tumblers, and one which is adapted to receive tumblers of the two kinds, and of different diameters of each kind.

The invention consists in a reversible tumbler-holder adapted to receive in opposite ends (of course at different times) tumblers of the two kinds mentioned, so that the holder may be used for serving beverages in tumblers of different sizes.

In the accompanying drawings, in the several figures of which like parts are similarly designated, Figure 1 is a perspective view and

Fig. 2 a vertical section, in both of which views a tumbler is shown in position; and Fig. 3 is a vertical section of another form of tumbler-holder containing two modifications.

The principle of the invention is embodied in a tumbler-holder open at both ends and resembling in outline, perhaps more nearly than anything else, an hour-glass. I have illustrated this principle in three different forms, although I do not thereby restrict my invention to such forms.

In Figs. 1 and 2 the holder is made in skeleton form, and consists of three annular bands, *a b c*, of different diameters and connected by vertical strips *d*, which latter are secured to the outside of these bands at regular intervals by means of rivets *e*, or any other appliance common to metal-workers in uniting pieces of metal. I prefer to extend these strips *d* at both ends into the space inclosed by the bands *a b c*, leaving such ends free. These strips *d* are made of spring-metal by preference, and their ends *f*, which are extended in the interior of the holder, form yielding fingers to grasp the tumbler when inserted in the holder, accommodating themselves to the size and weight of the tumbler and retaining it securely within the holder.

Obviously tumblers of different diameters may be employed in connection with such holders, and in either end thereof.

I do not limit my invention to making the springs *f* integral with the strips *d*; but I prefer that construction for economic reasons.

A tumbler-holder thus constructed may be made quite light as compared with those in common use, and any suitable design may be employed in its construction.

The handle *g*, I prefer to affix to the end bands, in order to give a large hand-piece, and also for stiffening the holder.

Instead of making the holder in skeleton form it may be made solid, as indicated in Fig. 3, and in this case the spring-fingers may or may not be employed.

In some instances, particularly where no spring-fingers are employed, it may be advisable to employ a septum, *h*, midway of the holder, as indicated by the dotted lines in Fig. 3.

The bands *a b c* or the ends or mouths of

the holder may be straight, or they may follow the taper of the holder.

What I claim is—

1. A tumbler-holder open at both ends, and  
5 thereby adapted to receive a glass in either end, substantially as described.

2. A tumbler-holder open at both ends and having such ends of different diameter, and thereby adapting the holder to receive glasses  
10 of different diameter, substantially as described.

3. A tumbler-holder having the general outline of an hour-glass and open at both ends, and provided in each end with spring-fingers,  
15 substantially as described.

4. A tumbler-holder open at both ends, composed of a series of bands and a series of strips secured at right angles to the said bands, and spring-fingers arranged in the open ends,  
20 substantially as described.

5. A tumbler-holder open at both ends and composed of annular bands *a b c*, strips *d*, secured to said bands and terminating within the bands at both ends in spring-fingers *f*, and thereby adapted to receive a tumbler in  
25 either end, and a handle, *g*, substantially as described.

6. A tumbler-holder open at both ends and provided internally with an obstructing medium for arresting the too great descent of a  
30 tumbler, substantially as described.

In testimony whereof I have hereunto set my hand this 14th day of April, A. D. 1888.

GEORGE FRANCIS WATERS.

Witnesses:

HARRY W. SESSFORD,

CHAS. E. GROSS.