

No. 859,652.

PATENTED JULY 9, 1907.

W. H. GASKILL.
UMBRELLA TIP CUP.
APPLICATION FILED APR. 6, 1907.

Fig. 1.

Fig. 2.

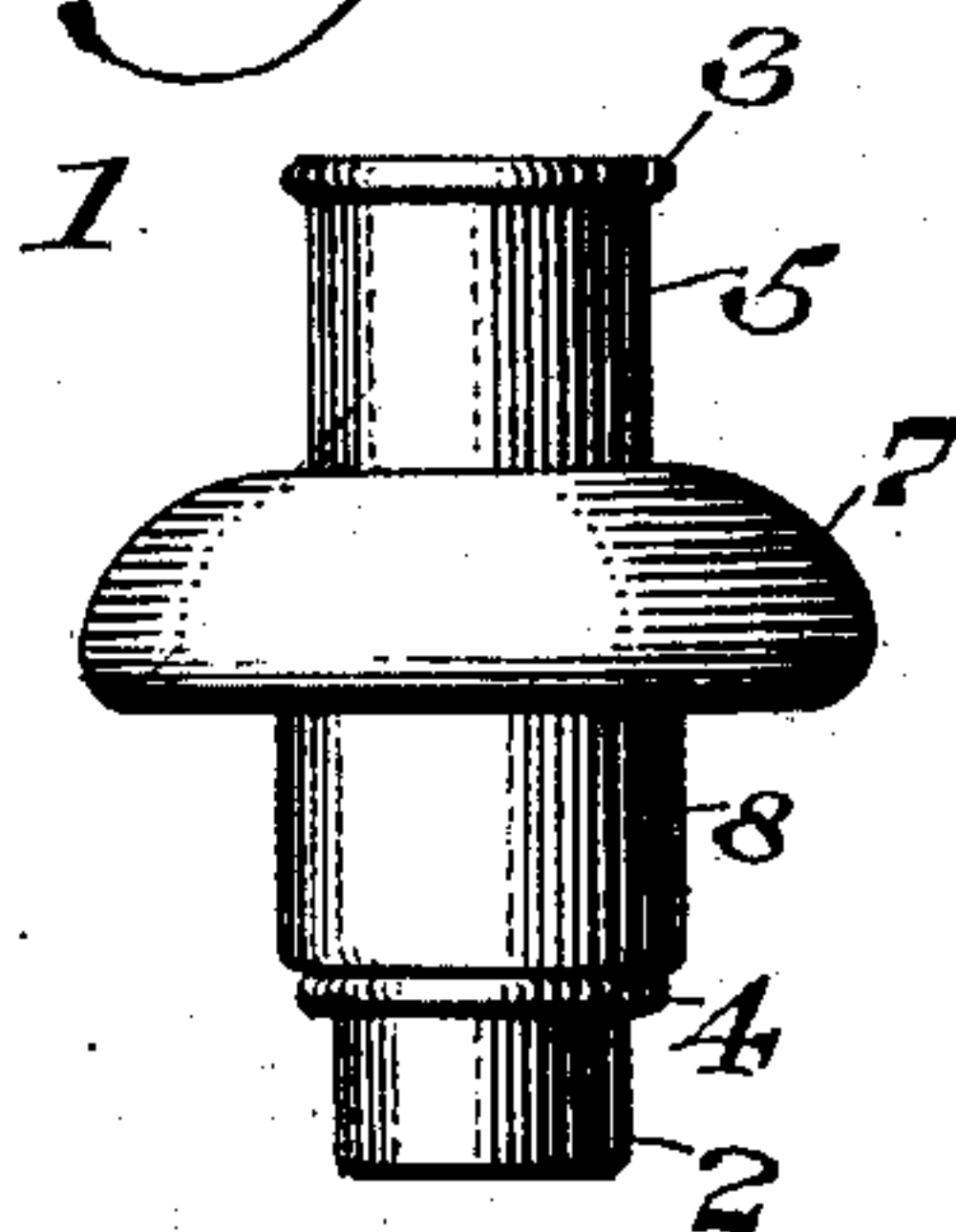
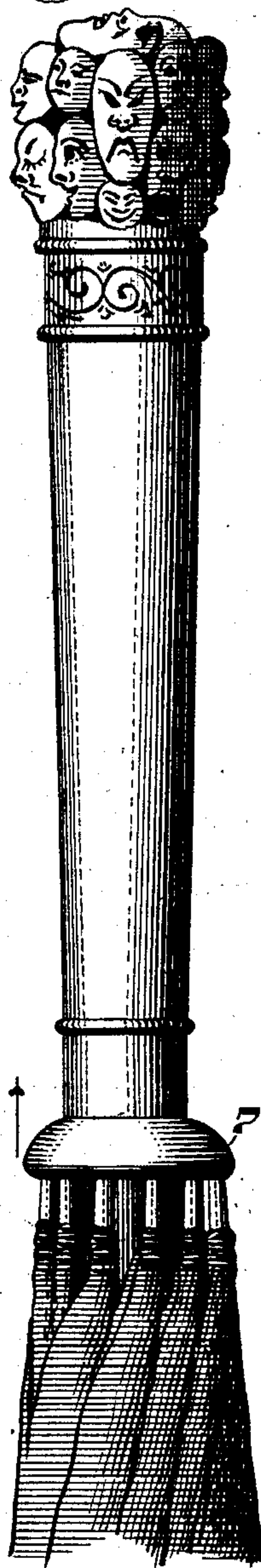
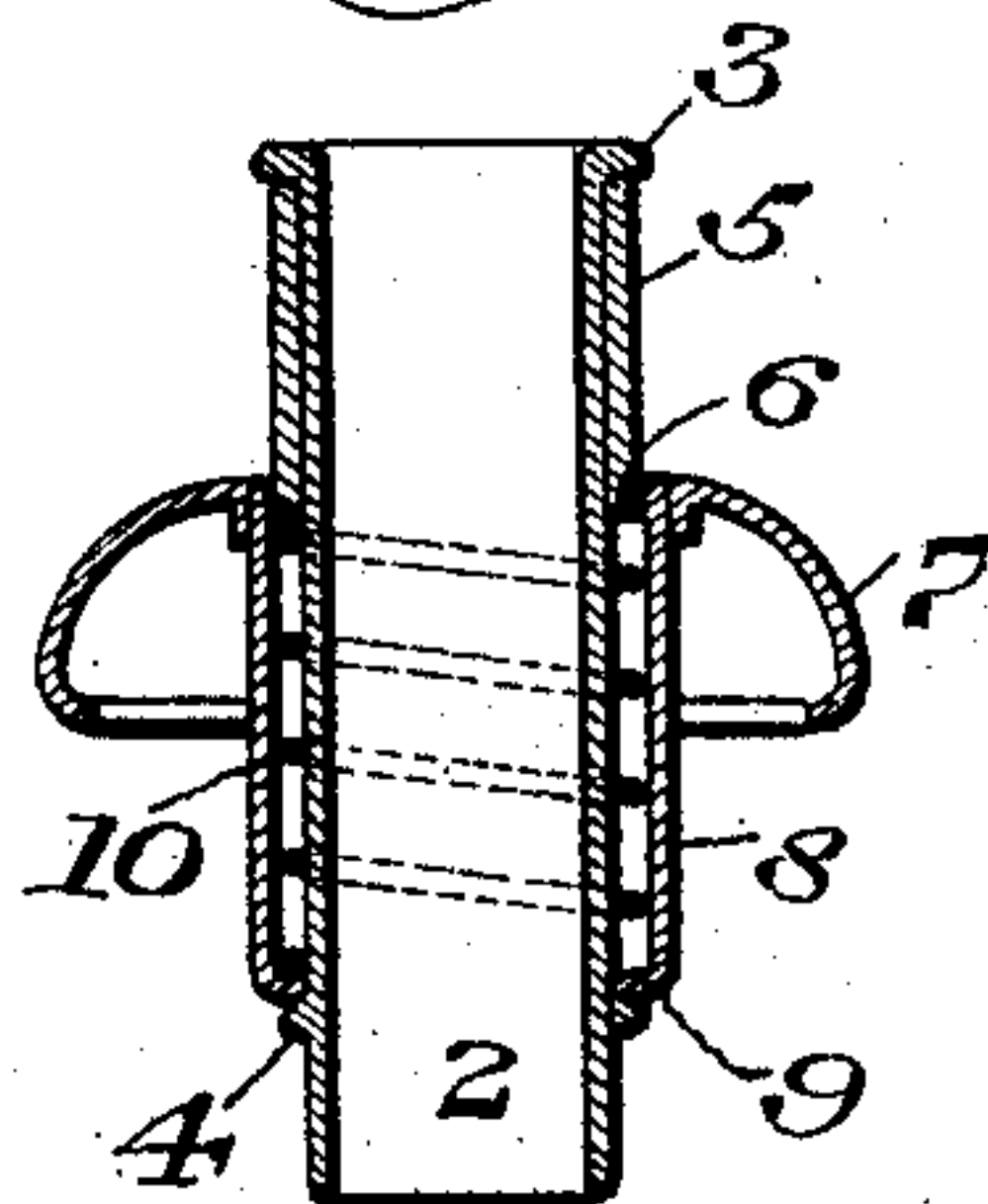


Fig. 3.



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UMBRELLA TIP-CUP.

No. 859,652.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed April 6, 1907. Serial No. 366,646.

To all whom it may concern:

Be it known that I, WILLIAM H. GASKILL, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Umbrella Tip-Cup, of which the following is a specification.

My invention relates to umbrella tip cups and consists in providing means for normally holding the cup in and for returning it to its normal position.

It further consists of novel details of construction, all as will be hereinafter fully set forth.

Figure 1 represents a side elevation of a portion of an umbrella and handle showing the device in position. Fig. 2 represents a side elevation of a tip cup in detached position. Fig. 3 represents a vertical sectional view thereof.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings:—1 designates a tip cup which consists of the tube or support 2 upon one end of which is formed, in any desired manner, the head 3 and at a suitable point in the tube is formed a knurl 4 which may be made in any desired manner and situated at any suitable point. Mounted upon said tube or support 2 is the sleeve or collar 5, the same extending any desired length and the end forming a shoulder 6.

7 designates the tip cup which is provided with the longitudinally extending portion or barrel 8, having an intumed end 9, the diameter of the extending portion 8 being adapted to fit and slide on the sleeve 5, so that the space formed between the tube 2 and said extension 8 is substantially equal to the thickness of the sleeve 5 and it will be noted that the intumed end 9 which forms a shoulder, is of sufficient extent as to closely fit the tube 2 and to hold the tip cup in proper position, it being further noted that said portion 9 is adapted to abut against the knurl 4 as a stop in order to prevent improper movement of the tip cup.

10 designates a spring, preferably coiled, which is adapted to abut against the inner wall of the intumed end or shoulder 9 and against the shoulder 6 formed by the sleeve 5, the latter in the present instance, it will be noted, abutting against the bead 3 on the tube 2 and the said bead 3 serving as a stop to prevent the tip cup from being displaced.

The operation of the parts just described will be readily seen:—The cup is normally in the position seen in the figures and as seen in Fig. 1, the ends or tips of the umbrella ribs are situated within the cup. When it is desired to release the same, the said cup is pulled in the direction indicated by the arrow in Fig. 1, thus compressing the spring 10 between the shoulder 6 and the shoulder 9 so that the edge of the cup is past the tips so they can be freed, whereupon by releasing the cup 7 the spring 10 will automatically return to its normal position and hold it there.

From the above it will be seen that the tip cup is movably supported upon a suitable tube or support and means are provided for normally holding the same in proper position and for returning the same to position for operation.

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

1. In a tip cup, a support adapted to be secured at any desired position on the stock or rod, a knurl on said support, a sleeve carried by said support, a tip cup, a barrel on said tip cup fitting said sleeve and movable thereon, a shoulder on said barrel adapted to abut said knurl to prevent displacement of the parts, and a spring interposed between said shoulder on said barrel and said sleeve for holding the parts in and returning the same to their normal position.

2. In a tip cup, a support, a knurl on said support at a suitable point thereon, a sleeve carried by said support, a tip cup, a barrel on said tip cup having an intumed end abutting said knurl, said barrel closely fitting said sleeve, and a spring interposed between said barrel and said support and abutting said intumed end and said sleeve for holding the parts in and returning the same to their normal position.

3. In a tip cup, a support adapted to be secured in any desired position on a stock or rod, a sleeve carried by said support, a tip cup, a barrel on said tip cup fitting thereon, a shoulder on said barrel, a spring interposed between said shoulder and said sleeve, for holding the parts in and returning the same to their normal position, and a stock on said support for limiting the movement of said tip cup and barrel.

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