C. M. WOLCOTT.

DOUBLE SUCTION CUP.

APPLICATION FILED JULY 19, 1918.

1,298,139. Patented Mar. 25, 1919.

Fig. 1.

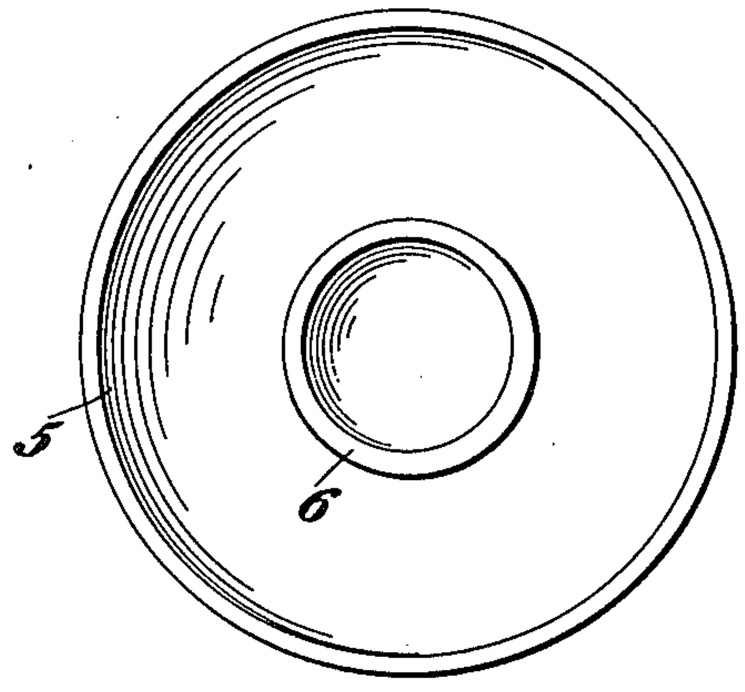
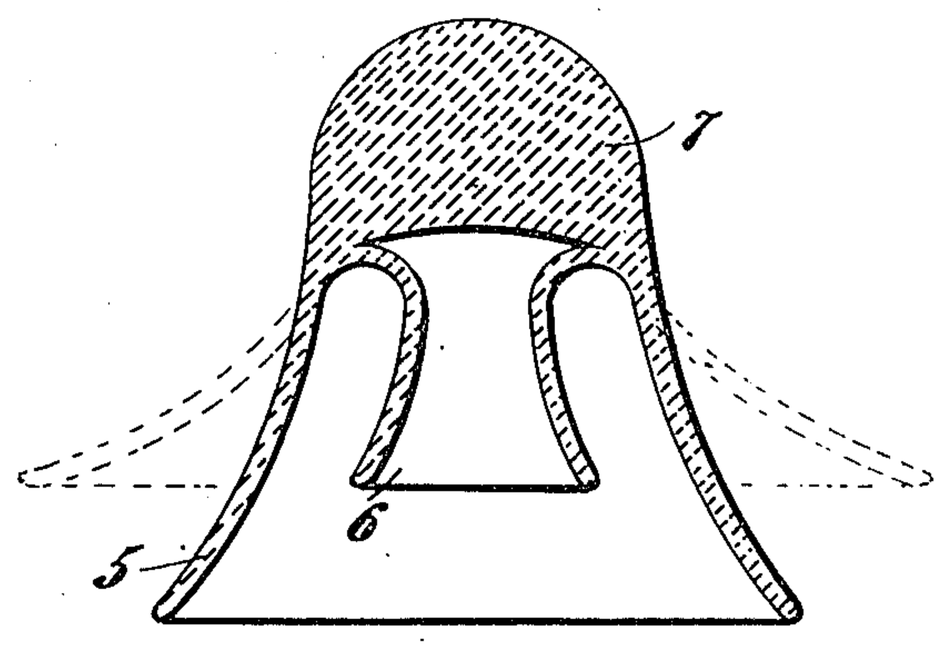


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES M. WOLCOTT, OF NEW YORK, N. Y., ASSIGNOR OF THREE-FOURTHS TO SAMUEL MYERBERG AND ISIDOR MYERBERG, BOTH OF BALTIMORE, MARYLAND.

DOUBLE SUCTION-CUP.

1,298,139. Specification of Letters Patent. Patented Mar. 25, 1919.

Application filed July 19, 1918. Serial No. 245,668.

To all whom it may concern:

Be it known that I, CHARLES M. WOLCOTT, a citizen of the United States, residing at New York city and State of New York, have invented certain new and useful Improvements in Double Suction-Cups, of which the following is a specification.

This invention relates to suction or vacuum cups designed for supporting brackets to a wall or other smooth surface without the use of nails, screws or other fastening means, and its object is to provide a novel and improved device of this kind which will obtain a strong hold on the surface, the cup being provided with an auxiliary cup by which the holding power is materially increased.

In order that the invention may be better understood, reference is had to the accompanying drawing forming a part of this specification, and in said drawing—

Figure 1 is an end view of the device and Fig. 2 is a central longitudinal section thereof.

Referring specifically to the drawing, 5 denotes a suction cup of rubber or other flexible material having a flat rim so that it may fit snugly against a wall or other smooth supporting surface. The cup is applied to the wall or other surface by pressing its open end thereagainst, whereupon it spreads or becomes distended as shown dotted in Fig. 2, producing a partial vacuum in the cup, so that the atmospheric pressure on its outer surface holds it in place, and no fastening means such as nails, screws, etc., are required. As this function of the cup is well known, a further description thereof is not necessary.

In order that the cup may obtain a more secure hold, it is provided on the inside with an auxiliary suction cup 6, the mouth of which faces in the same direction as the main cup but is located a short distance inward of the latter as shown in Fig. 2. The two cups are formed integral, and the device can therefore be easily and cheaply produced.

The auxiliary cup 6 is also flexible so that it may become distended when its mouth is pressed against the supporting surface, and as it is back of the mouth of the main cup, the latter is first distended, and when the mouth of the auxiliary cup comes in contact with the supporting surface, further pressure of the device against the latter distends the auxiliary cup to obtain the additional suction force, thereby greatly augmenting the holding power of the device.

The base of the cup is made solid as shown at 7, for attachment of hooks, staples or other suitable supporting devices.

I claim:

A support comprising a suction cup of flexible material, an auxiliary flexible suction cup inside said cup and having its mouth facing in the same direction as the mouth thereof and located inward of said mouth, and a solid base from one side of which the cups project in concentric and spaced relation.

In testimony whereof I affix my signature in the presence of two witnesses.

CHARLES M. WOLCOTT.

Witnesses:
HOWARD D. ADAMS,
HOWARD G. CLARK.