

(No Model.)

T. C. STEIMER.
SNAP FOR HOLDING GLASSWARE.

No. 508,854.

Patented Nov. 14, 1893.

Fig. 1.

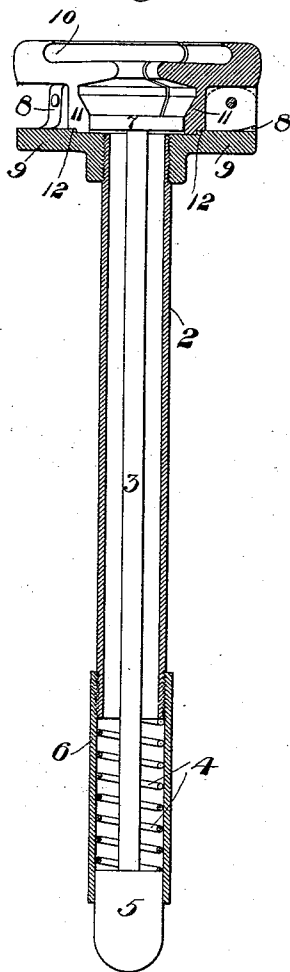
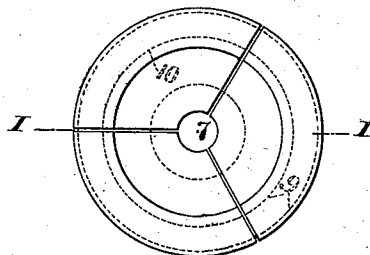


Fig. 2.



WITNESSES

H. M. Corwin
W. W. Swartz

INVENTOR

Theodore C. Steimer
by his Attorneys
W. Baxwell & Sons.

UNITED STATES PATENT OFFICE.

THEODORE C. STEIMER, OF FINDLAY, OHIO, ASSIGNOR OF ONE-HALF TO
THE DALZELL, GILMORE AND LEIGHTON COMPANY, OF SAME PLACE.

SNAP FOR HOLDING GLASSWARE.

SPECIFICATION forming part of Letters Patent No. 508,854, dated November 14, 1893.

Application filed August 1, 1893. Serial No. 482,082. (No model.)

To all whom it may concern:

Be it known that I, THEODORE C. STEIMER, of Findlay, in the county of Hancock and State of Ohio, have invented a new and useful Improvement in Snaps for Holding Glassware, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a central vertical section of my improved snap; and Fig. 2 is a plan view of the same.

My invention relates to the snaps employed in holding partially-finished glass articles while reheating, glazing or polishing the same, and it consists in an improved construction and arrangement of parts whereby the rod which opens the jaws serves also, when released, to close and lock the jaws upon the article to be retained.

In the drawings, in which similar numerals indicate corresponding parts, 2 represents the tubular handle of the snap, within which is inclosed the usual operating rod 3, which is normally retracted by a spiral spring 4, which abuts at one end against the end of the tube 2, and at the other end against the button 5 at the lower end of the operating rod. A case 6 incloses the spring, being secured about the lower end of the tube 2, and serves as a guide for the enlarged portion or button 5 of the rod which closes the lower end of the case. At the upper end of the rod is carried a circular disk 7, which works in the central opening between the jaws and serves to open and close them. These jaws are pivoted between lugs 8 projecting from the base-plate 9 secured about the upper end of the tube 2, and, as shown in Fig. 2, are arc-shaped and provided with a groove or recess 10 to fit about and inclose the base of the article operated upon. Projecting downwardly from the jaws are arc-shaped inwardly-beveled lips 11, provided on their lower outer edges with arc-shaped grooves which fit snugly upon an annular shoulder 12 on the base-plate and are thereby centered accurately.

The operation of the device is obvious. The disk normally holds the jaw locked in closed position, as shown in Fig. 1, as it

presses outwardly upon the lower ends of the lips 11. When, however, the button and rod are forced upwardly, the disk contacting with the inwardly extending bases of the jaws, swings them outwardly and opens the snap for the reception of the article.

The advantages of the device are numerous. The disk serves both to lock the jaws in closed position and to open the same. The article is held evenly and with equal pressure on all sides, and thus the liability to uneven revolving of the article removed. The seating of the jaws upon the annular shoulder takes up any wear and centers the jaws, while the entire device is simple and cheaply made.

As many jaws may be used as desired, and many other variations will suggest themselves to those skilled in the art without departure from my invention, since

What I claim is—

1. A snap having hinged jaws and a disk arranged to positively open and close said jaws; substantially as described.

2. A snap having hinged jaws provided with beveled lips, and a disk arranged to ride upon the lips and close the jaws; substantially as described.

3. A snap having hinged jaws provided with recessed portions arranged to seat upon an annular shoulder on the base-plate of the snap; substantially as described.

4. A snap having a tubular handle, jaws pivoted at its upper end and having inwardly projecting bases, and a rod passing through the handle and arranged to abut against the bases and swing the jaws open; substantially as described.

5. A snap having a tubular handle, jaws pivoted at its upper end and having inwardly projecting bases and depending beveled lips, a rod having a disk arranged to contact with the bases and lips, and a spring arranged to retract the rod; substantially as described.

In testimony whereof I have hereunto set my hand.

THEODORE C. STEIMER.

Witnesses:

W. J. CONNER,
GEO. T. BOYD.