

(No Model.)

S. R. WILMOT.
FLANGED CAP FOR OILERS.

No. 540,083.

Patented May 28, 1895.

Fig. 1.

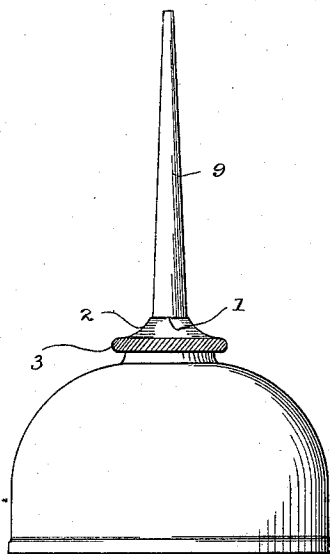


Fig. 2.

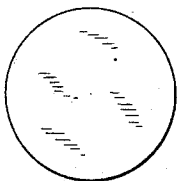


Fig. 3.

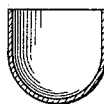


Fig. 6.

Fig. 4.

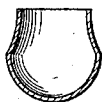
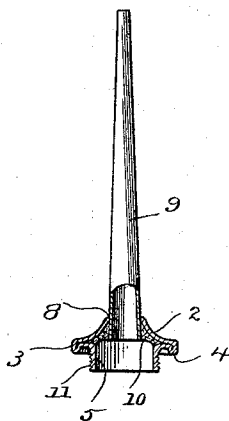
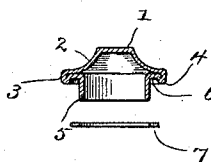


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

SAMUEL R. WILMOT, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE
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FLANGED CAP FOR OILERS.

SPECIFICATION forming part of Letters Patent No. 540,083, dated May 28, 1895.

Application filed October 15, 1894. Serial No. 525,875. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL R. WILMOT, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Flanged Caps for Oilers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to the manufacture of flanged caps which may be adapted to any ordinary use as for example the caps of oilers and has for its object the production of a cap of this class from a single piece of sheet metal.

With this end in view I have devised the novel cap and method of making same of which the following description in connection with the accompanying drawings is a specification, numbers being used to designate the several parts.

Figure 1 is an elevation of an oiler, illustrating one application of my novel flanged cap; Fig. 2, a plan view of the disk from which the cap is formed; Figs. 3, 4, and 5, views illustrating steps in the operation of forming a cap; and Fig. 6 is a sectional view showing the manner in which the spout is attached to the cap when the latter is used upon an oiler.

My novel caps are formed from disks of sheet metal which are cupped substantially as shown in Fig. 3, after which the edge of the cup is closed in substantially as indicated in Fig. 4, after which the cup is placed in suitable dies which impart to it substantially the shape indicated in Fig. 5. In practice for utility as well as for ornament I raise the center of the top as at 1 from which central portion the top slopes in a concave curve as at 2 to the outer edge of the flange which is in-

dicated by 3. On the under side of the flange at the outer edge is formed a rib 4 between which and the side of the cap, which is designated by 5, is a recess 6 which is adapted when required, as for example in an oiler cap, to receive the usual washer 7.

When used as an oiler cap the central portion of the top is punched out as at 8 and the nozzle 9 is passed through from the under side with a close fit, the lower end of the nozzle extending down below the top of the cap and the space between the nozzle and the cap being filled in by solder at as 10, thus making a very firm solid top and fastening the nozzle in so securely as to make its removal practically impossible. The curved top of the cap forms a recess to receive the solder which greatly strengthens it and also is very much more convenient and pleasant for the fingers of the operator in use. The last operation upon the cap is the forming thereon of the thread 11 by which it is attached to the neck or top of the article upon which it is used.

Having thus described my invention, I claim—

A cap for oilers made from a single piece of sheet metal at the center of which is a hole through which the nozzle is passed, the lower end of the nozzle extending below the top and the top being a concave curve to the outer edge of the flange, said flange having on its under side a rib so as to form a recess for a washer and the space between the lower end of the nozzle and the top being filled in with solder.

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

SAMUEL R. WILMOT.

Witnesses:

A. M. WOOSTER,
S. V. RICHARDSON.