

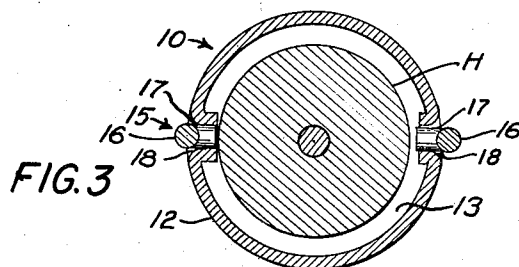
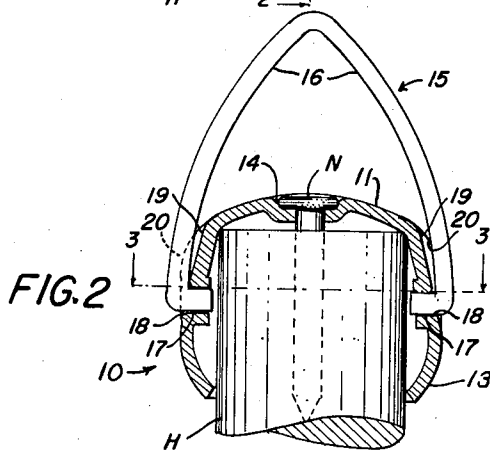
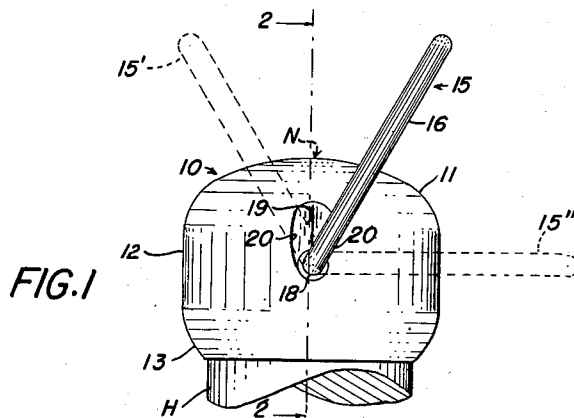
Sept. 30, 1952

S. C. TUTTLE

2,612,336

BROOM CAP

Filed March 8, 1949



INVENTOR:
SPENCER C. TUTTLE

BY

H. G. Manning

ATTY.

UNITED STATES PATENT OFFICE

2,612,336

BROOM CAP

Spencer C. Tuttle, Waterbury, Conn., assignor to
Cly-Del Mfg. Co., Waterbury, Conn., a corpo-
ration of Connecticut

Application March 8, 1949, Serial No. 80,250

1 Claim. (Cl. 248—359)

1

This invention relates to caps for the ends of broom handles, and more particularly to a broom cap of the type which has a swingable bail or loop for suspending the broom upon a hook.

One object of this invention is to provide a device of the above nature in which the loop is permitted free swinging movement of a limited extent, whereby the loop may be held in a convenient raised position so that it may easily be engaged over the supporting hook or nail.

Another object is to provide a device of the above nature in which the loop, if desired, may be placed in a horizontal position, where it will be frictionally held so as to facilitate the engagement of the loop over a supporting hook.

A further object is to provide a device of the above nature which will be simple in construction, inexpensive to manufacture, easy to install and manipulate, compact, ornamental in appearance, and very efficient and durable in use.

With these and other objects in view, there has been illustrated on the accompanying drawing one form in which the invention may conveniently be embodied in practice.

In the drawing,

Fig. 1 is a side view, showing the improved broom cap upon the upper end of a broom handle.

Fig. 2 is a longitudinal sectional view of the same, taken on the line 2—2 of Fig. 1.

Fig. 3 is a transverse sectional view of the same, taken on the line 3—3 of Fig. 2.

Referring now to the drawing in which like reference numerals denote corresponding parts throughout the several views, the numeral 10 indicates a shell which preferably is drawn from sheet metal into cup form, having a dome-shaped top portion 11 and a cylindrical middle portion 12. The shell 10 also comprises a lower edge portion 13 which is rolled inwardly sufficiently so that the shell 10 will be adapted to closely embrace the end of a broom handle H.

The dome-shaped top portion 11 preferably has a central apertured countersink 14, which is adapted to receive a headed nail N for securing the broom cap to the handle H.

Provision is also made of a bail or loop 15 constructed of heavy wire and having a pair of diverging outwardly-convex sides 16, which terminate in intumed aligned lower ends 17. In order to form a pivotal mounting for the intumed loop ends 17, the shell 10 is provided with a pair of diametrically opposed holes 18, 18 which are inwardly pierced through the cylindrical portion 12 adjacent the dome-shaped top portion 11.

The shell 10 is further provided with a pair of elongated indentations 19 which extend upwardly from the holes 18, thus providing two pairs of spaced shoulders 20, 20 at the junction of the cylindrical middle portion 12 with the dome-shaped top portion 11.

The normal spacing of the lower ends of the

2

loop sides 16 is less than the outer diameter of the shell 10, but is large enough to permit the sides 16 to swing freely within the indentations 19. Thus, the loop 15 may have a limited swinging movement, the extent of which is determined by the positions of the shoulders 20 and preferably is about 60 degrees.

As a result of this construction, the loop 15 will normally be held in the inclined position 15 or 15' above the shell 10, shown in Fig. 1. However, the user may, if desired, force the loop 15 downwardly into a horizontal position indicated at 15'' in order to further facilitate the engagement of said loop over a hook.

It will, of course, be understood that when the loop 15 is disposed in the horizontal position 15'', the sides 16 will be sprung outwardly when they are forced over the shoulders 20, and will tightly embrace the sides of the shell 10 so that the loop 15 will be frictionally held in position.

While there has been disclosed in this specification one form in which the invention may be embodied, it is to be understood that this form is shown for the purpose of illustration only, and that the invention is not to be limited to the specific disclosure, but may be modified and embodied in various other forms without departing from its spirit. In short, the invention includes all the modifications and embodiments coming within the scope of the following claim.

Having thus fully described the invention, what is claimed as new, and for which it is desired to secure Letters Patent, is:

In a broom cap, a shell comprising a cylindrical middle portion and a dome-shaped top portion, said middle portion having a pair of opposite holes adjacent said top portion, elongated exterior indentations extending vertically upward from said holes and providing two pairs of transversely aligned shoulders at the junction of said middle portion and said top portion, the width of said indentations being substantially greater than the diameter of said holes, and a bail having intumed end portions pivotally received in said holes, the sides of said bail being disposed in said indentations and adapted to abut said shoulders, whereby said bail will normally be supported at an inclined position by one or the other of said pairs of shoulders.

SPENCER C. TUTTLE.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,518,824	Smith	Dec. 24, 1924
2,144,661	Nelson	Jan. 24, 1939
2,271,189	Garthwait	Jan. 27, 1942