

PATENT SPECIFICATION

214,519

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COMPLETE SPECIFICATION.

Improvements in Whistles.

We, JAMES CLIFFORD HUDSON, of 256, Barr Street, Birmingham, British subject, and JOSEPH HUDSON, British subject, also of 256, Barr Street, Birmingham, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

10 This invention relates to whistles of that type comprising a cylindrical barrel arranged transversely to a tangential mouthpiece and having its opposite sides or ends closed by caps provided with flanged or turned-over edges engaging over the ends of the barrel, the back portion of the barrel being provided with a knob or pommel pierced with a hole or passage to receive a ring by which the whistle may be attached to a chain or the like.

Usually this knob or pommel has been provided with a shouldered shank passed through a hole in the rear wall of the barrel and headed over upon the inside of the barrel. The object of the present invention is to provide an improved form of knob or pommel which is attached to the barrel without any part projecting into the interior of the latter.

30 According to the said invention, the knob or pommel is provided at opposite sides with extensions or wings which are engaged beneath and held in position by the turned-over or flanged edges of the end caps of the barrel, the whole of the parts being secured together by soldering or other suitable means. The said flanged or turned-over edges may be gapped in order to receive and position the wings or extensions of the pommel, and the end caps themselves may be properly positioned relatively to the mouthpiece by shoulders or projections on the barrel adjacent the mouthpiece engaging gaps in the flanged or turned-over edges of the end caps.

[Price 1/-]

Figure 1 of the accompanying drawings represents a side elevation of a whistle having the ring pommel attached in accordance with the present invention. 50

Figure 2 is an end view of the whistle.

Figure 3 is a plan.

Figure 4 represents a horizontal section through the barrel and ring pommel on line $x-x$, Figure 1. 55

Figure 5 is a similar horizontal section of one side of the whistle but upon a larger scale.

Figure 6 is a vertical longitudinal section through the whistle. 60

Figure 7 is a vertical section on line x^1, x^1 , Figure 3, but upon a larger scale.

Figure 8 shows the parts of the whistle separately. 65

The whistle shown in the drawings comprises the usual cylindrical barrel a provided with a tangential mouthpiece b carried by and fixed to the forward tangential extension a^1 of the barrel. The ends of the barrel are closed by caps c having turned-over or flanged edges c^1 engaging over the said ends. 70

According to the present invention, the attachment ring d is carried by a pommel e fashioned from a suitably-shaped sheet-metal blank which is pressed or stamped so that the sides come together at e^1 and form a hollow cup-like body closed at its outer end but open at its inner end and provided with holes e^2 at opposite sides to receive the ring d . The open inner end of the pommel is provided with outwardly-bent integral wings or extensions f , and when the pommel is placed against the back of the barrel, as shown, the ends of these wings f are arranged to be overlapped and held down by the turned-over flanges c^1 of the end caps c , these flanges being gapped at g to receive the wings and to retain the latter against circumferential displacement relatively to the said end caps. The caps themselves are positioned relatively to the 80 85 90

- mouthpiece by the provision of gaps h in the flanges, these gaps being engaged by the corners or shoulders a^2 (see Figures 7 and 8) at the junction of the barrel a with the forward extension a^1 . After the parts have been assembled in this manner they are secured together by soldering, brazing or other suitable means.
- 10 Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—
- 15 1. A whistle of the type referred to, wherein the knob or pommel which carries the ring is provided at opposite sides with extensions or wings which are engaged beneath and held in position by the turned-over or flanged edges of the end caps of the barrel, substantially as described.
- 20 2. A whistle according to Claim 1, wherein the turned-over or flanged edges of the end caps of the barrel are gapped to receive and position the wings of extensions of the pommel, substantially as described.
3. A whistle according to Claim 2, wherein the end caps themselves are positioned upon the barrel by shoulders or projections upon the latter engaging gaps in the flanged edges of the caps, substantially as described.
4. The improved ring pommel for whistles constructed arranged and secured substantially as herein described and set forth.

Dated this 18th day of July, 1923.

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Fig. 3.

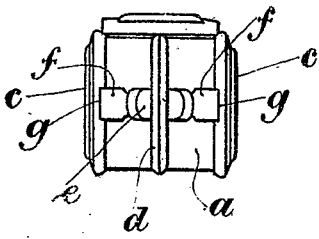


Fig. 1.

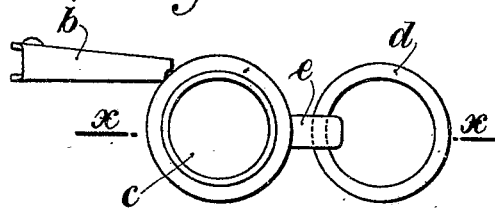


Fig. 3.

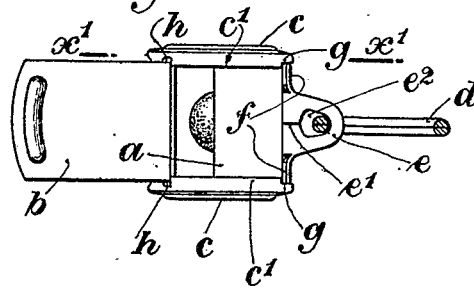


Fig. 7.

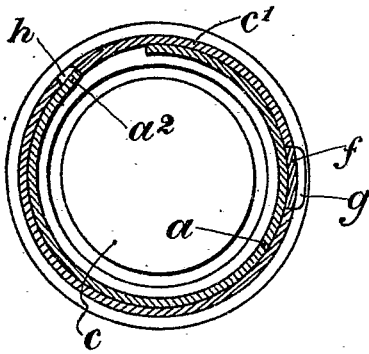


Fig. 4.

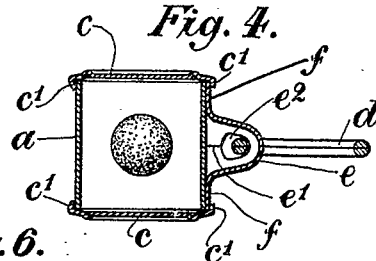


Fig. 5.

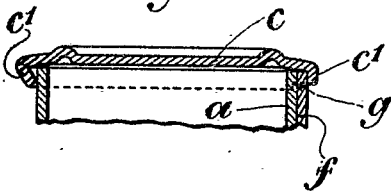


Fig. 6.

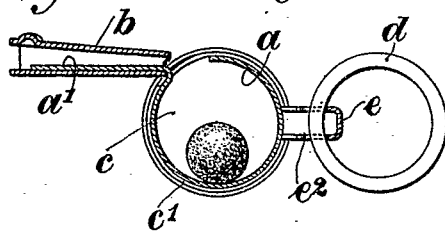
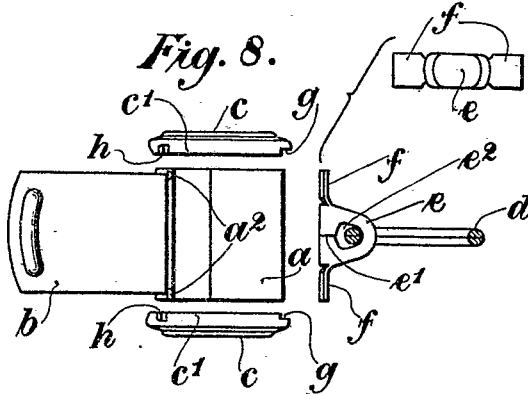


Fig. 8.



[This Drawing is a reproduction of the Original on a reduced scale]