

PATENT SPECIFICATION

620,720

Application Date: Oct. 14, 1946.

No. 30505/46.

Complete Specification Accepted: March 29, 1949.



Index at acceptance:—Class 13, H.

COMPLETE SPECIFICATION

Improvements in Mouth - whistles

I, LEON CLIFFORD HUDSON, British subject, of 244, Barr Street, Hockley, Birmingham, 19, 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:—

This invention relates to mouth-whistles of that kind comprising a hollow cylindrical or drum-shaped body provided with a tangential mouthpiece, the said body, which may contain a ball or other movable element, having an aperture at the top, in its peripheral wall, adjacent the inner end of the mouthpiece.

One object of the invention is to provide an improved method of making a mouth-whistle of the above kind. A further object is to provide a mouth-whistle of the kind referred to of an improved and novel construction.

According to the invention, a method of making a mouth-whistle of the kind referred to, consists in moulding the same from a plastic in two parts, the one part consisting of an integral moulded unit comprising the peripheral wall and one side of the cylindrical or drum-shaped body, as well as the top and bottom portions or walls and the corresponding side of the mouthpiece, and the other part consisting of a single moulded plate which forms only the other side of the said body and the other side of the mouthpiece; applying the said moulded plate over the first part to complete the body and mouthpiece of the whistle, and securing the parts together by an adhesive.

Also, according to the invention a mouth-whistle of the kind referred to is made from a plastic and comprises two secured-together parts, the one part consisting of an integral moulded unit comprising the peripheral wall and one side of the cylindrical or drum-shaped body as well as the top and bottom portions or walls and the corresponding side of the mouthpiece, and the other part consisting of a single moulded plate which is applied against the first and which forms only the other side of the said body and the other side of the mouthpiece.

It has been proposed, in the Specification

[Price 2/-]

of Patent No. 447,673, of which I am the registered Proprietor, to form a mouth-whistle in two separately-formed halves or parts, each made by a casting or moulding operation, but it has not been suggested in this Specification that the one part of the whistle shall be in the form of a moulded plate which forms only one side of the whistle body and one side of the mouth-piece, as in the present arrangement.

Figure 1 of the accompanying drawings represents perspective views of the two moulded parts of a mouth-whistle made in accordance with this invention, before the said parts have been secured together.

Figure 2 is an elevational view of the inside face of the one part of the whistle.

Figure 3 is an elevational view of the inside face of the other part.

Figure 4 represents a horizontal section through the one part, on the line IV-IV, Figure 2.

Figure 5 is a similar sectional view through the other part.

Figure 6 represents a horizontal section through the completed whistle.

Referring to the drawings, the improved whistle comprises a hollow cylindrical or drum-shaped body 1, having the usual rectangular aperture 2 at the top and provided with a tangential mouthpiece 3, the latter having a slightly tapering passage 4 communicating with the interior of the body 1. The body 1, which may contain a ball 5, has the usual apertured lug or eye 6 at the rear, to which a ring 7 may be attached (Figure 6). The whistle is made in two separate parts *a* and *b*, each formed by injection moulding from a plastic, such, for example, as from a cellulose acetate plastic. The parts may, however, be moulded under pressure, if desired, and a plastic of the phenol and cresol formaldehyde, or urea formaldehyde, type may be employed, or any other plastic either a non-thermo-setting plastic or a thermo-setting plastic may be used. The part *a* includes the peripheral wall 8 and the one side 9 of the cylindrical or drum-shaped body 1, as well as the top and bottom portions or walls 10 and 11, and the corresponding side 12, of the mouth-

55

60

65

70

75

80

85

90

95

100

Price 25p

Price 33p

piece 3 of the whistle, together with the integral lug or eye 6, the whole being formed by a suitably shaped and constructed mould as a single integral unit. The other part *b* of the whistle is in the form of a single plate, and comprises a disc-like part 13, which is adapted to form the other side of the cylindrical or drum-shaped body 1, and an integral tapering portion 14 which serves to form the other side of the mouthpiece 3. Formed around the outer edge of the cylindrical wall 8 of the drum-shaped body 1 of the whistle is a narrow annular outwardly-projecting rib or flange 15, whilst formed in the flat side face of the mouthpiece-portion of the part *a*, that is in the face which is opposed to the part *b*, is a small recess or hole 16. The disc-like end portion 13 of the part *b* is formed on its inner face with an annular shoulder 17, providing a shallow circular recess into which the rib 15 on the part *a* is adapted to fit, whilst the flat inner face of the tapering portion 14 of the part *b* is formed with a small integral projection or pin 18 which is adapted to engage the recess or hole 16 in the part *a*.

After the two parts *a* and *b* of the whistle have been removed from the moulds, the part *b* is applied to the part *a*, the annular shoulder 17 of the part *b* engaging over the rib 15 of the part *a*, and the pin 18 fitting into the hole 16, so that the two parts are properly positioned relatively to one another. The two parts are secured together, to complete the whistle, by a suitable adhesive.

Not only may the whistle be cheaply manufactured by the method described, but the completed whistle has an attractive appearance. Two or more locating pins or projections may be provided, and the wider inner end of the mouthpiece may be hollowed out at 11*a*, if desired, to save material.

Although it is preferred to secure the two parts of the whistle together by an adhesive, they may be secured together by other means, if desired, such as by a screw passing through a plain hole in the part *b* and engaging a tapped hole in the part *a*.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. The method of making a mouth-whistle of the kind referred to, consisting in moulding the same from a plastic in two parts, the one part consisting of an integral moulded unit comprising the peripheral wall

and one side of the cylindrical or drum-shaped body, as well as the top and bottom portions or walls and the corresponding side of the mouthpiece, and the other part consisting of a single moulded plate which forms only the other side of the said body and the other side of the mouthpiece; applying the said moulded plate over the first part to complete the body and mouthpiece of the whistle, and securing the parts together by an adhesive.

2. A mouth-whistle of the kind referred to made from a plastic and comprising two secured-together parts, the one part consisting of an integral moulded unit comprising the peripheral wall and one side of the cylindrical or drum-shaped body, as well as the top and bottom portions or walls and the corresponding side of the mouthpiece, and the other part consisting of a single moulded plate which is applied against the first part and which forms only the other side of the said body and the other side of the mouthpiece.

3. A mouth-whistle, as claimed in Claim 2, wherein one of the two parts of the whistle is formed with a rib or projection adapted to engage or fit over or against a shoulder, or into a hole or recess, on or in the other part, so as correctly to position the two parts.

4. A mouth-whistle, as claimed in Claim 3, wherein the wall of the cylindrical or drum-shaped body of the one part of the whistle is formed around its edge with an annular rib adapted to fit against an annular shoulder on the inner face of the plate which forms the other part of the whistle.

5. A mouth-whistle, as claimed in Claim 2, 3 or 4, wherein the wall of the cylindrical or drum-shaped body is formed with an integral apertured lug or eye.

6. A mouth-whistle, as claimed in any one of Claims 2 to 5, wherein the plate forming the one part of the whistle is secured to the other part of the latter by an adhesive.

7. A mouth-whistle substantially as herein described with reference to the accompanying drawings.

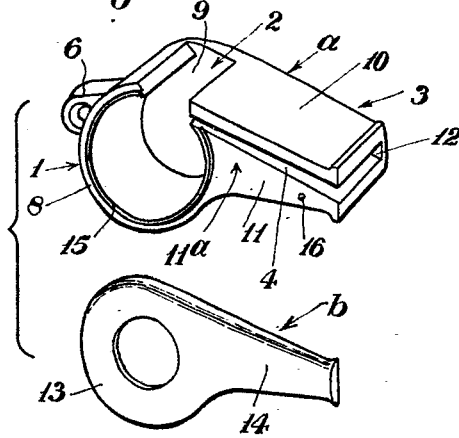
Dated this 12th day of October, 1946.

H. N. & W. S. SKERRETT,  
24, Temple Row, Birmingham, 2,  
and

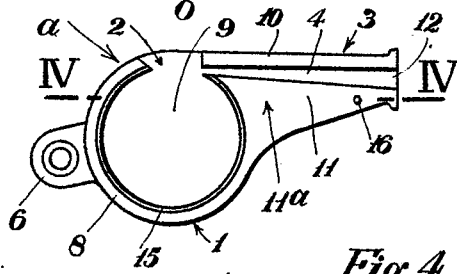
88-90, Chancery Lane, London, W.C. 2.  
Agents for the Applicant.

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

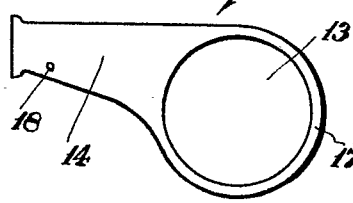
*Fig. 1.*



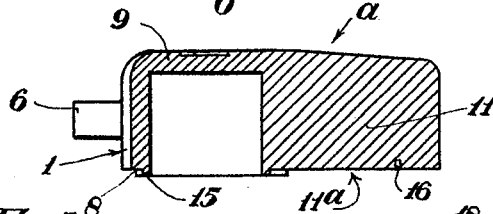
*Fig. 2.*



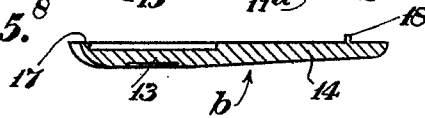
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



*Fig. 6.*

