

Improvements in dentists' and other vulcanizing flasks / [Thomas Wilson].

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COMPLETE SPECIFICATION.

Improvements in Dentists' and other Vulcanizing Flasks.

I, THOMAS WILSON of 4 Corunna Street, Glasgow, in the County of Lanark, Licentiate in Dental Surgery, 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:—

- 5 This Invention which relates to improvements in flasks for containing dental plates or cases whilst being vulcanized and which improved flasks are also applicable to be used in vulcanizing small articles generally made of india rubber or other vulcanizable material has for its object to provide greater facility for clearing out the contents of the sections or halves of the flask after vulcanization has been effected and to that
10 end both sections of the flask are furnished with a removable cover piece so arranged that when it is desired to empty the sections the said covers can by the tap of a mallet or by equivalent means be driven inwards carrying the plaster, stucco or other packing or matrix with them. On the accompanying drawings figure 1 is a section and figure 2 a plan looking inwards of one half of a flask, constructed in
15 accordance with my invention whilst figure 3, is a section and figure 4 a plan of the other half or section. As shewn by these figures both sections of the flask are tapered as regards their bodies a, a^1 , the widest portions being at the meeting edges of the sections. At the under edge of the section a a rim or lip b is made the said lip extending from b^1 to b^2 figure 2, leaving the lower edge of the part c free to slip or
20 slide in the cover d which when in position has its boundary line within the boundary of the lower part of the section of the flask. Similarly the other section a^1 , figures 3 and 4, has a lip or rim e extending from e^1 to e^2 leaving the part f free for slipping in the cover, the said cover when in position also having its boundary within that of the upper part of the section a^1 .
- 25 The inside surfaces of the covers are or may be tapered or thinned off towards the edge as indicated at x in order when inserting the cover to force the plaster, stucco or other packing inwards and thereby to leave the lip b or e free for the cover to butt or rest against. In or immediately within the lips b, e holes may be made for the egress of air in inserting the cover and into one or more of the said holes there may
30 be introduced a pin as indicated at y to guide the covers in slipping them into position which pin may be of any desired shape and be withdrawn when the cover is home.

- 35 Instead of or in addition to the said pins lugs or projections z may be cast on the interior of the sections of the flask the said lugs guiding the covers in slipping them into position. In the covers slots are made which come opposite the lugs when the covers are home and permit of the covers being driven inwards.

- In preparing to use the flask the cover d of the section a is slipped into position and the stucco, plaster or other packing or matrix is filled in. The material to be vulcanized is placed in said packing, the section a^1 of the flask is fitted on to the
40 section a and held by pins or cottars passing through the holes in the lugs g the said pins bearing on the under sides of the jaws h through which the lugs pass or they may be held by equivalent means. Stucco, plaster or other packing is then poured in to fill the section a^1 of the flask after which the cover is slipped into position and the flask is then in condition to be placed in the vulcanizer. When the vulcanization
45 has been completed the sections of the flask are separated from each other and by driving in the cover d of the section a and the cover of the section a^1 the stucco, plaster or other packing or matrix is at once cleanly removed from the sections of the flask the vulcanized object coming with one or other of the contents of the said sections leaving both sections ready for another operation. The lips b, e , instead of
50 being continuous may be made in segments.

Wilson's Improvements in Dentists' and other Vulcanizing Flasks.

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. In a flask for vulcanizing purposes the construction of the sections *a*, *a*¹ with removable cover pieces the said pieces being so arranged that when the sections of the flask are disconnected they may, together with the packing or matrix, be driven inwards to remove the latter from the flask substantially as described. 5

2. A vulcanizing flask constructed substantially as hereinbefore described with reference to the drawings annexed.

Dated this Twelfth day of March 1889.

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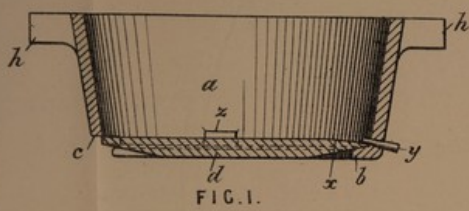


FIG. 1.

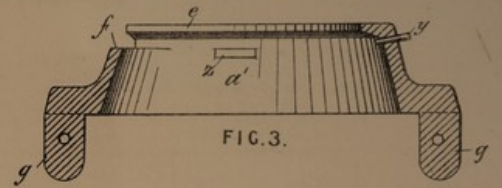


FIG. 3.

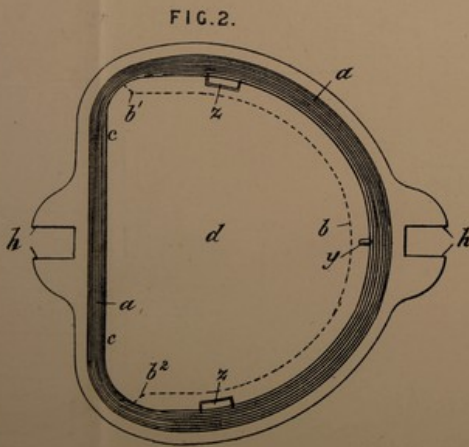


FIG. 2.

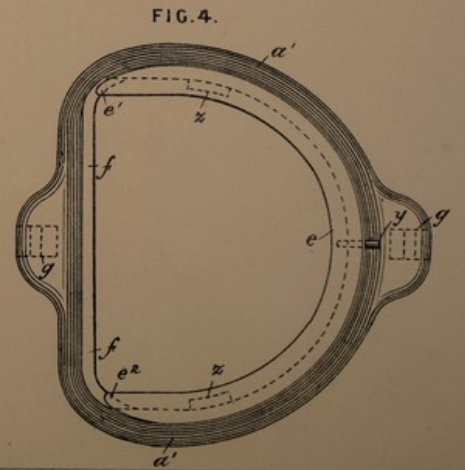


FIG. 4.

[This Drawing is a full-size reproduction of the Original.]

