

J. WALSH & R. D. KAY.
INFANT PACIFIER.
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1,023,693.

Patented Apr. 16, 1912.

Fig. 1.

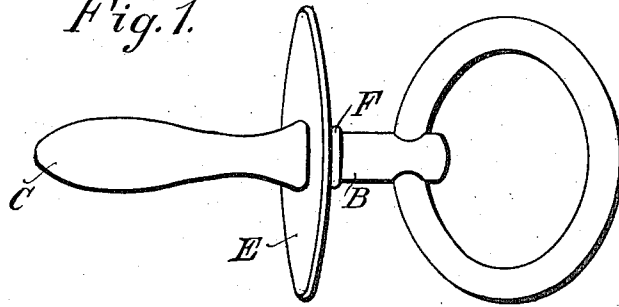
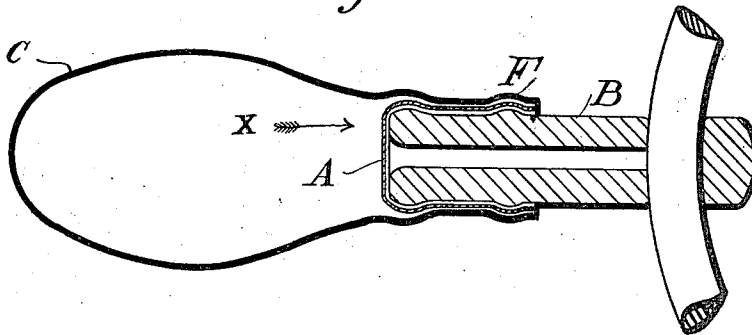


Fig. 2.



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UNITED STATES PATENT OFFICE.

JAMES WALSH AND ROBERT DAWSON KAY, OF LONDON, ENGLAND.

INFANT-PACIFIER.

1,023,693.

Specification of Letters Patent.

Patented Apr. 16, 1912.

Application filed March 23, 1910. Serial No. 551,148.

To all whom it may concern:

Be it known that we, JAMES WALSH, of 207 The Grove, Hammersmith, London, and ROBERT DAWSON KAY, of 248 Goldhawk road, Shepperds Bush, London, England, have invented new and useful Improvements in Infant-Pacifiers, of which the following is a specification.

Our present invention relates to infant pacifiers, of the class including a suitable fitting and air-filled mouth piece in connection therewith.

The principal object of our invention is to provide a pacifier of the character described which will remain efficient for a considerable length of time, that is, one which will retain the air within the mouth piece regardless of the action of the infant thereupon, and which action ordinarily expels the air from those now in common use.

Further objects of our invention are to facilitate the manufacture of such devices; to so combine certain elements which are most adapted to be hermetically sealed for retaining the air within the mouth piece; and, to adapt the essential elements for accomplishing the sealing of the mouth piece that they may be applied to the ordinary fittings of bone, ivory, vulcanite, or other suitable material, now in common use.

In the drawings, forming a part of this specification:—Figure 1 is a perspective view of the pacifier embodying our invention. Fig. 2 is a central longitudinal section to a portion of the pacifier embodying our invention.

Similar characters refer to similar parts throughout the views.

In the drawings, B designates a fitting stem of ordinary construction which may be provided with corrugations D, for a purpose to be subsequently described. This fitting stem may be formed of any suitable material such as bone, ivory, a vulcanite, vegetable ivory, or the like. The stem B is inserted into a rubber cap A which may be of a size relative to the former, to retain its place, under ordinary conditions, by tightly engaging the same. The stem B with the cap A is then inserted into a hollow mouth piece C formed of rubber, the mouth piece also being of a size relative to the cupped end of the stem B to tightly

engage the cap thereon. The particular affinity of rubber provides a most efficient air tight engagement between the cap A and mouth piece C, so that the former, with the fitting B, acts as a plunger for attaining the desired air pressure within the mouth piece C, when the one is inserted into the other, and further, this engagement of rubber against rubber is most efficient for preventing expulsion of air from the mouth piece after assemblage as hereinafter described.

In order to facilitate the insertion of the cap A and portion of the stem B covered thereby, into the mouth piece C, we may apply a rubber cement solution to the cap A, which solution hermetically seals the cap and mouth piece together.

From the foregoing it is obvious that the stem B may be of highly polished ivory, bone, vulcanite, or the like, but, is provided with a portion, (A), well adapted to raise the desired pressure within the mouth piece and to provide the most desirable contacting surfaces for hermetically sealing the mouth piece.

A shield E may be used in its usual position intermediate the corrugations D, and, if desired, silk, cotton, or the like, or other material may be tied about the assembled part at F, or the assembled cap A and mouth piece C retained in connection with the fitting, in any desired manner.

We claim:—

1. A pacifier comprising in combination, a tubular rubber mouth piece closed at one end, a stem like element, a rubber cap inclosing the end portion of said stem like element, the said rubber cap and portion of said stem like element inclosed thereby, being inserted into said tubular rubber mouth piece at the end opposite the closed end thereof, with tight engagement between the mouth piece and cap for confinement of air within said mouth piece, means hermetically sealing said mouth piece to said cap, means securing said mouth piece and cap to said stem like element.

2. A pacifier comprising in combination, a tubular rubber mouth piece, closed at one end, a stem like element, a rubber cap inclosing the end portion of said stem like element, the said rubber cap and a portion

of the said stem like element inclosed there-
by being inserted into said tubular rubber
mouth piece at the end opposite the closed
end thereof, with tight engagement between
5 the mouth piece and cap for confinement of
air within said mouth piece, and means se-
curing said mouth piece and cap to said
stem like element.

In witness whereof we affix our signatures
in presence of two witnesses.

JAMES WALSH.
ROBERT DAWSON KAY.

Witnesses:

HERBERT D. JAMESON,
RIPLEY WILSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
