

Sept. 4, 1928.

1,682,832

I. COHN

DOLL

Filed June 4, 1927

Fig. 1.



Fig. 2.

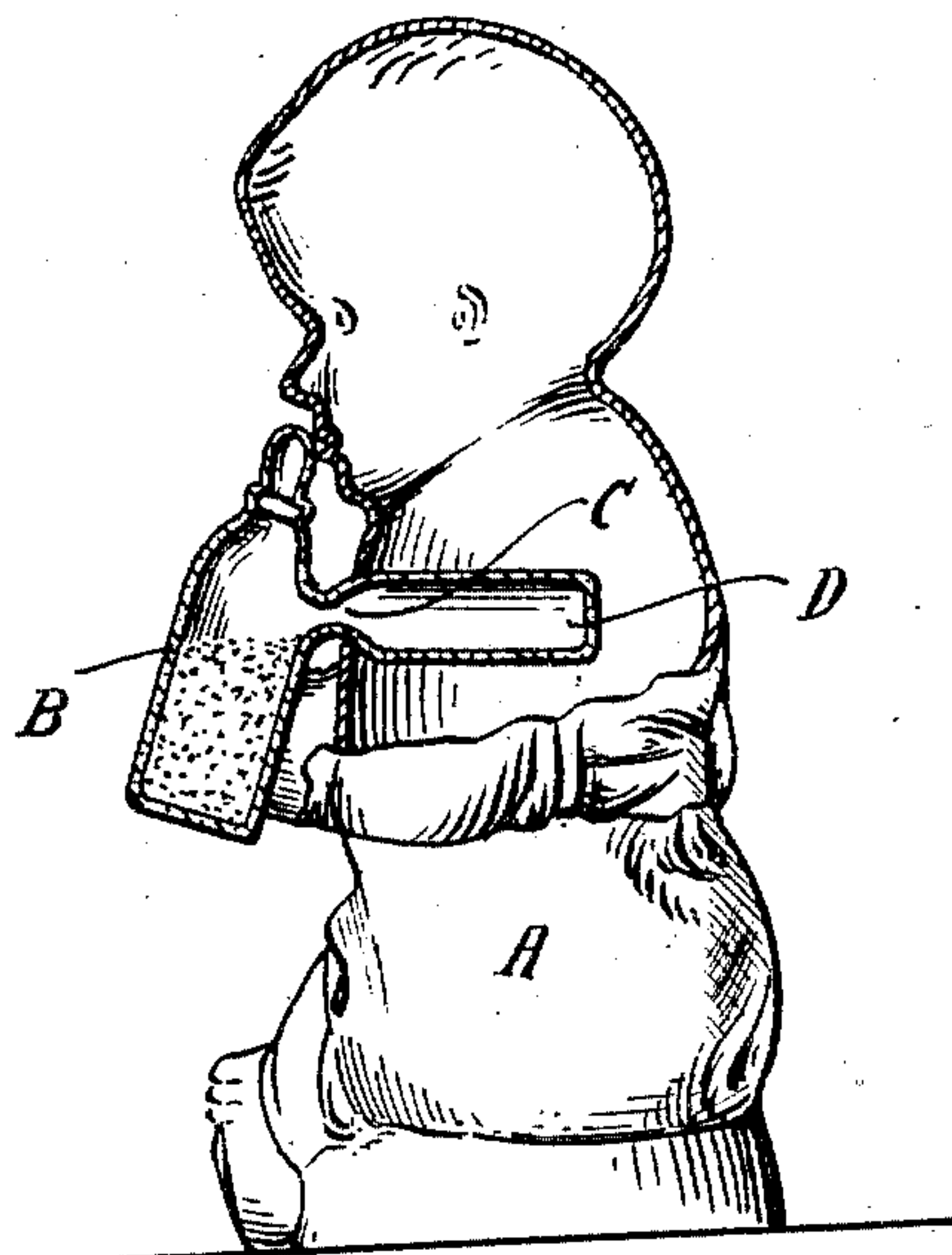


Fig. 4.

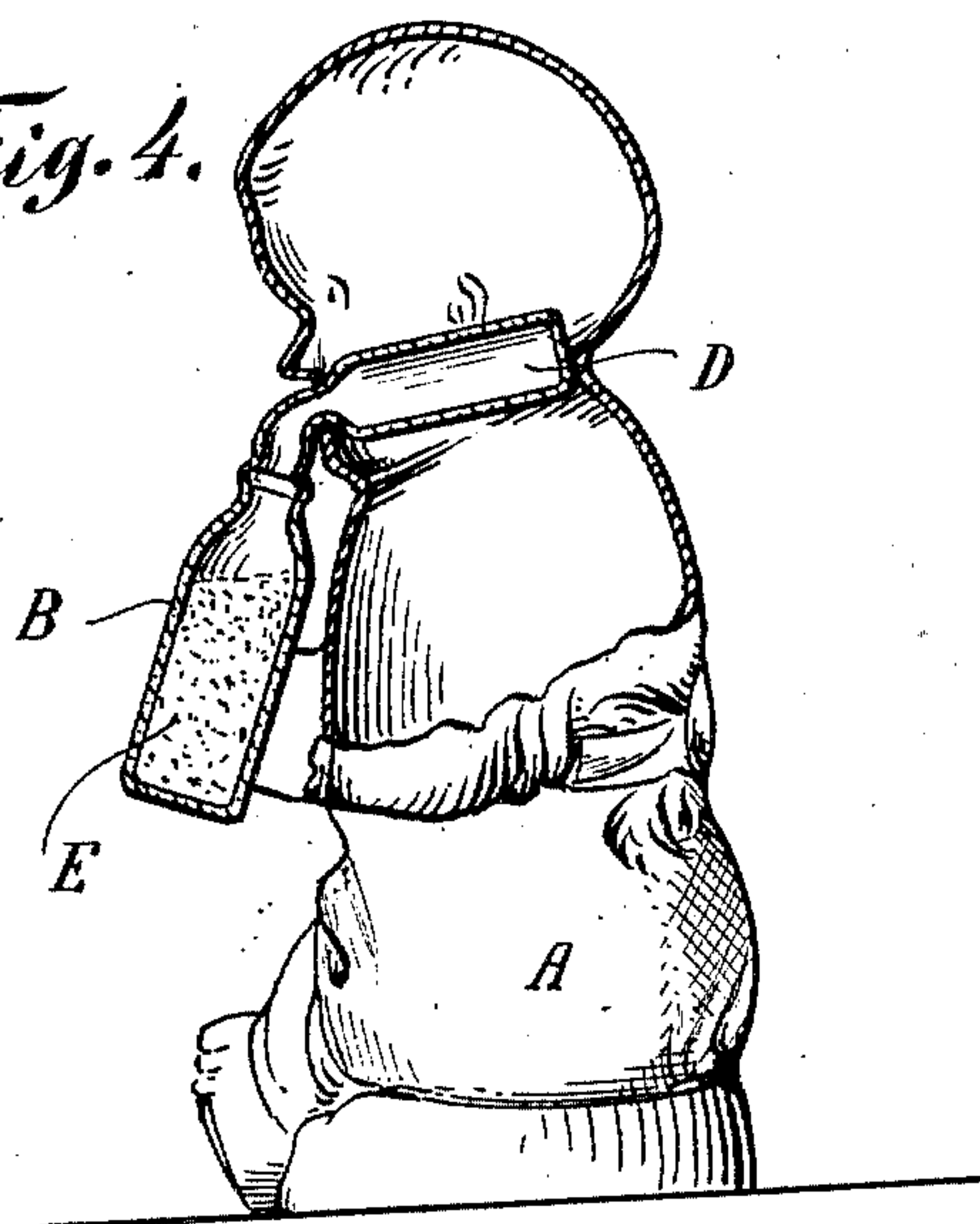
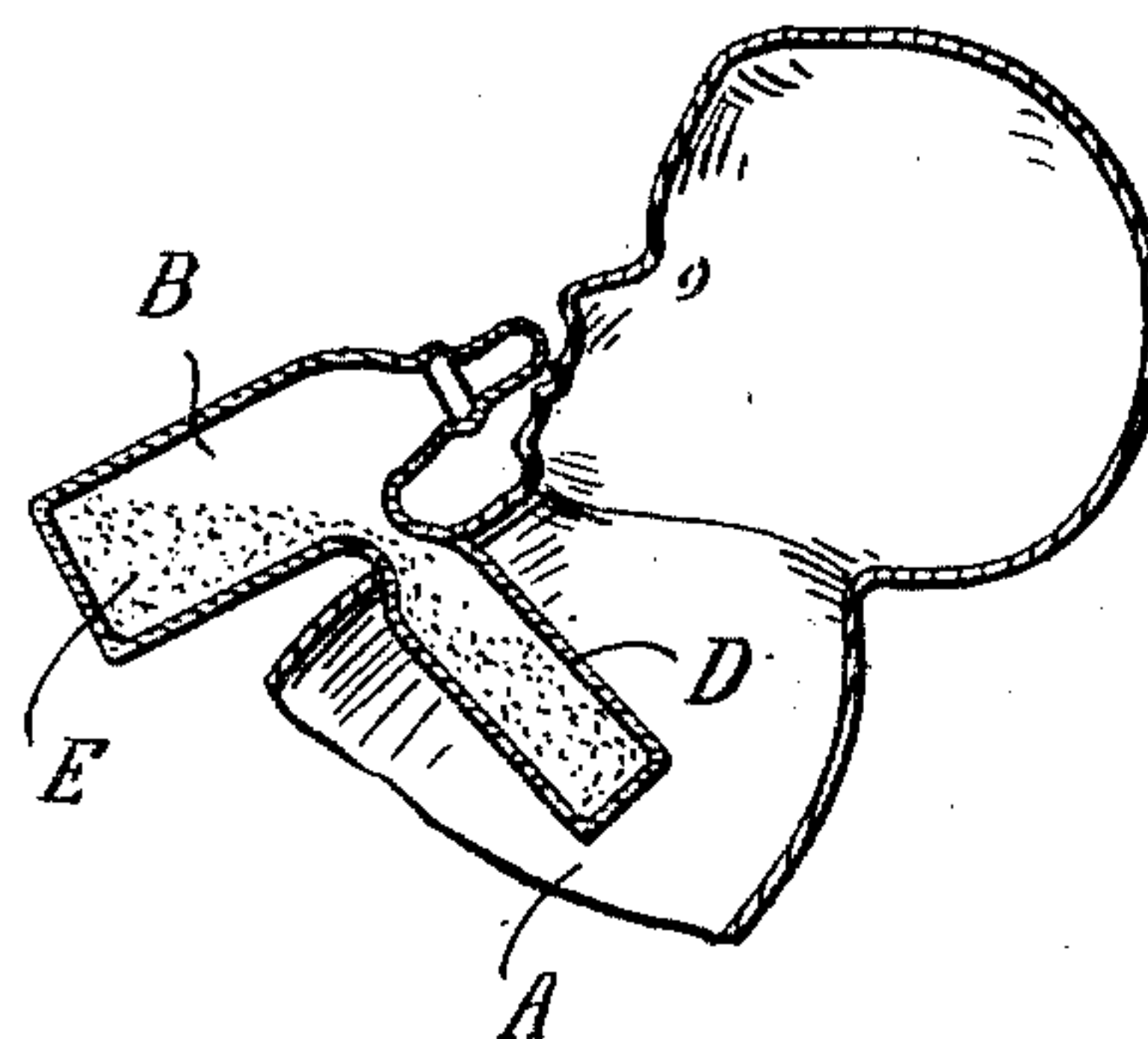


Fig. 3.



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DOLL.

Application filed June 4, 1927. Serial No. 196,441.

The object of the present invention is to provide a celluloid doll formed in the representation of a baby holding a bottle, the bottle being transparent and containing a substance resembling milk, in combination with a concealed container in which the substance flows when the object is tilted or laid upon its back.

The invention will be understood by reference to the accompanying drawing, in which—

Figure 1 is a front elevation of a doll constructed in accordance with the invention;

Figure 2 is a sectional elevation on the line 2—2, Figure 1;

Figure 3 is a view showing the upper portion of Figure 2, the device being tilted to indicate the operation, and

Figure 4 is a side elevation, partly in section, of a modified form.

Referring to the drawings it will be seen that the device illustrated in Figures 1 to 3 inclusive consists of a hollow doll shaped figure A which is preferably made of celluloid and consists of the representation of a baby which is shown seated. If desired, shot or pebbles may be placed within the device so that it may serve as a rattle.

The baby-representation holds a bottle which, when the device is tilted, causes a substance to flow therefrom into a hidden container. Such an arrangement has heretofore been proposed, the substance within the bottle being a liquid, colored white to resemble milk. It has been impossible heretofore, however, to use such an arrangement when the bottle is formed of celluloid, because celluloid is slightly porous and the liquid is gradually absorbed, evaporating upon the exterior of the bottle imperceptibly but surely. In the course of a few weeks the entire liquid contents of the bottle have disappeared. It is the specific object of this invention to provide a doll with bottle, which may be entirely of celluloid, with the exception of the substance within the bottle, and to so construct the bottle-representation that it may be held by the walls of the figure so that the hidden container may lie within the head or body of the doll.

I have discovered that certain dry materials may be employed to closely resemble milk both in appearance and in action. I have also found that the flow of the substance from the bottle into the hidden con-

tainer can be better regulated by using the dry material than the case of a liquid.

I form the bottle B of transparent celluloid entirely closed except for a restricted discharge outlet C which communicates with a container D. The container preferably lies either within the body of the doll, as in Figures 2 and 3, or in the head of the doll as in Figure 4. In either case the bottle with its container may be held by the wall of the doll.

Instead of the usual colored water substance placed within the bottle B I employ therein a granular material E. This material may be of such nature as to flow through the restricted outlet intermediate the bottle and the container D, as sand flows from one section of an hour-glass into the second section of the same. In other words, the arrangement permits a flow of the milk resembling substance at any speed desired, the control being by increasing or decreasing the size of the said discharge outlet.

It is important that the granular substance be of such nature as not to form a dust or cloud upon the interior of the bottle and thereby reduce or destroy its transparency. After study of a large number of white or semi-white substances, I have found that finely ground marble is operative for the purpose, and that fine white sand may also be used, although the latter is not as satisfactory as the ground marble because of its reflective properties, the ground marble being more realistic.

Having described my invention what I claim and desire to secure by Letters Patent being as follows:—

A doll comprising a body and head portion formed of celluloid, a transparent celluloid bottle disposed exterior of the body and having a projection provided with a restricted outlet, a container hidden within the body of the doll and connected to said restricted outlet portion of the bottle, said bottle and container being supported by the walls of the doll, and dry finely ground marble within the bottle and adapted to flow into the container when the doll is tilted from normal position, the flow being at a speed controlled by the diameter of the restricted bottle outlet.

In testimony whereof, I have signed my name to this specification.

IRWIN COHN.