

Dec. 11, 1951

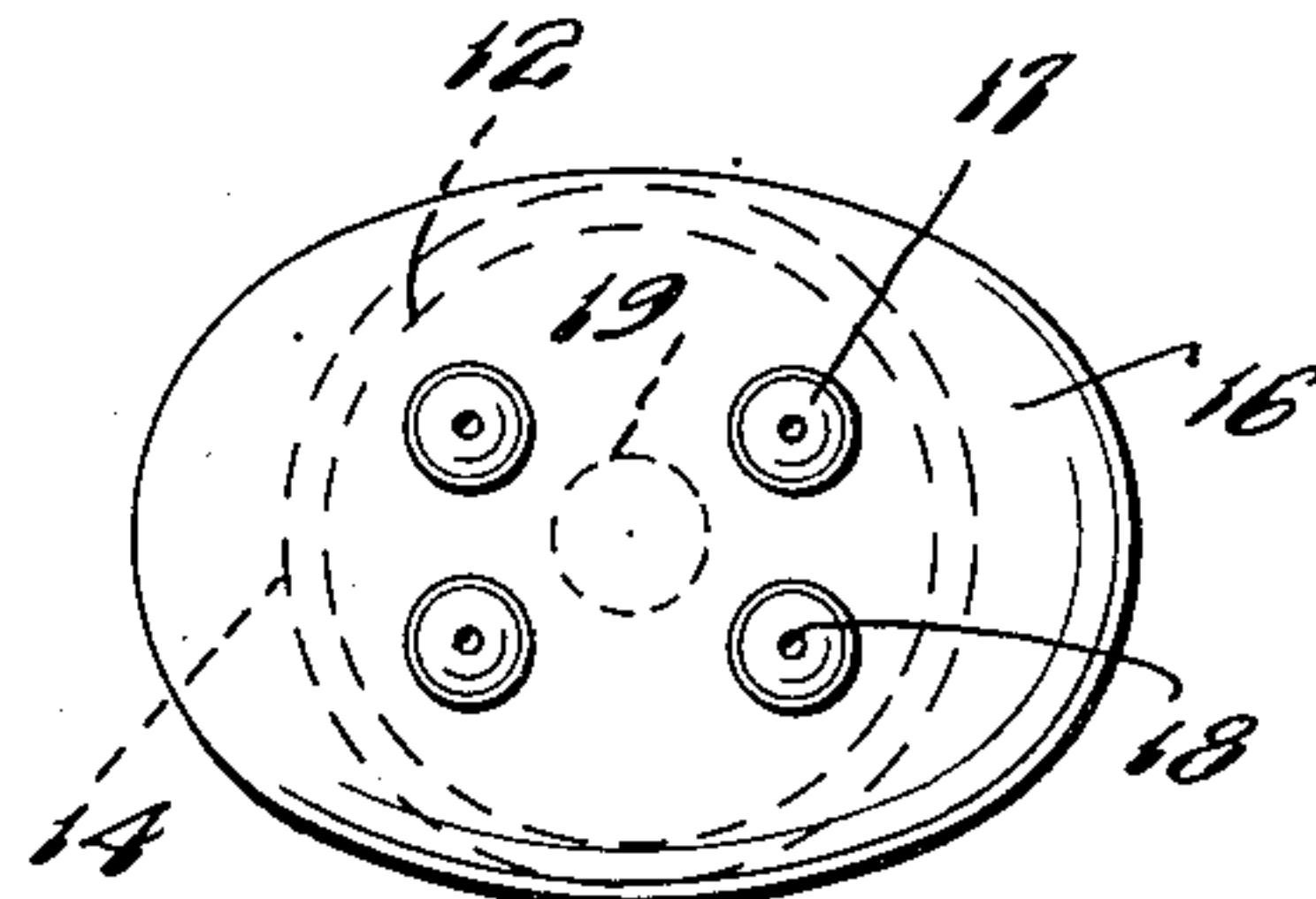
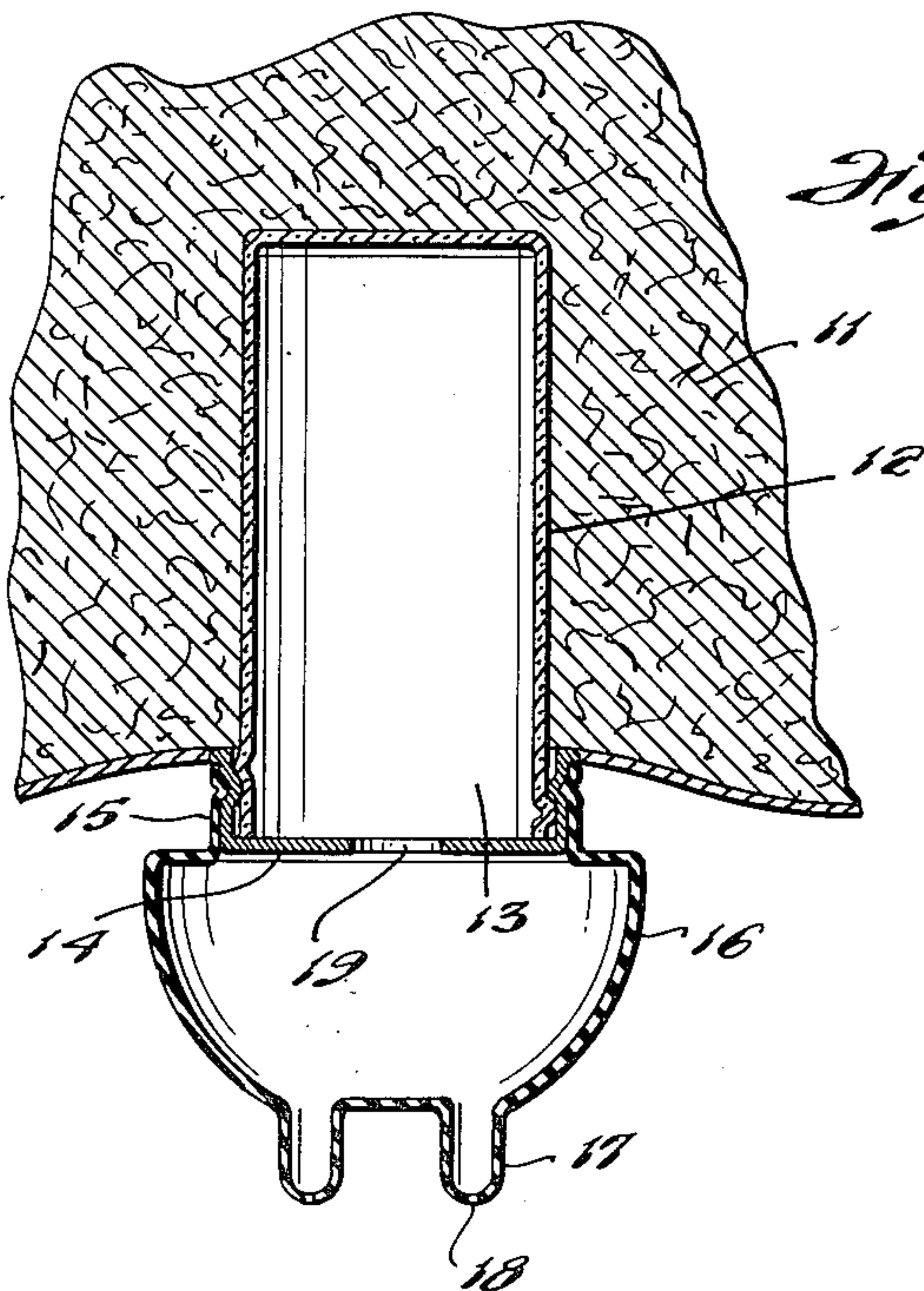
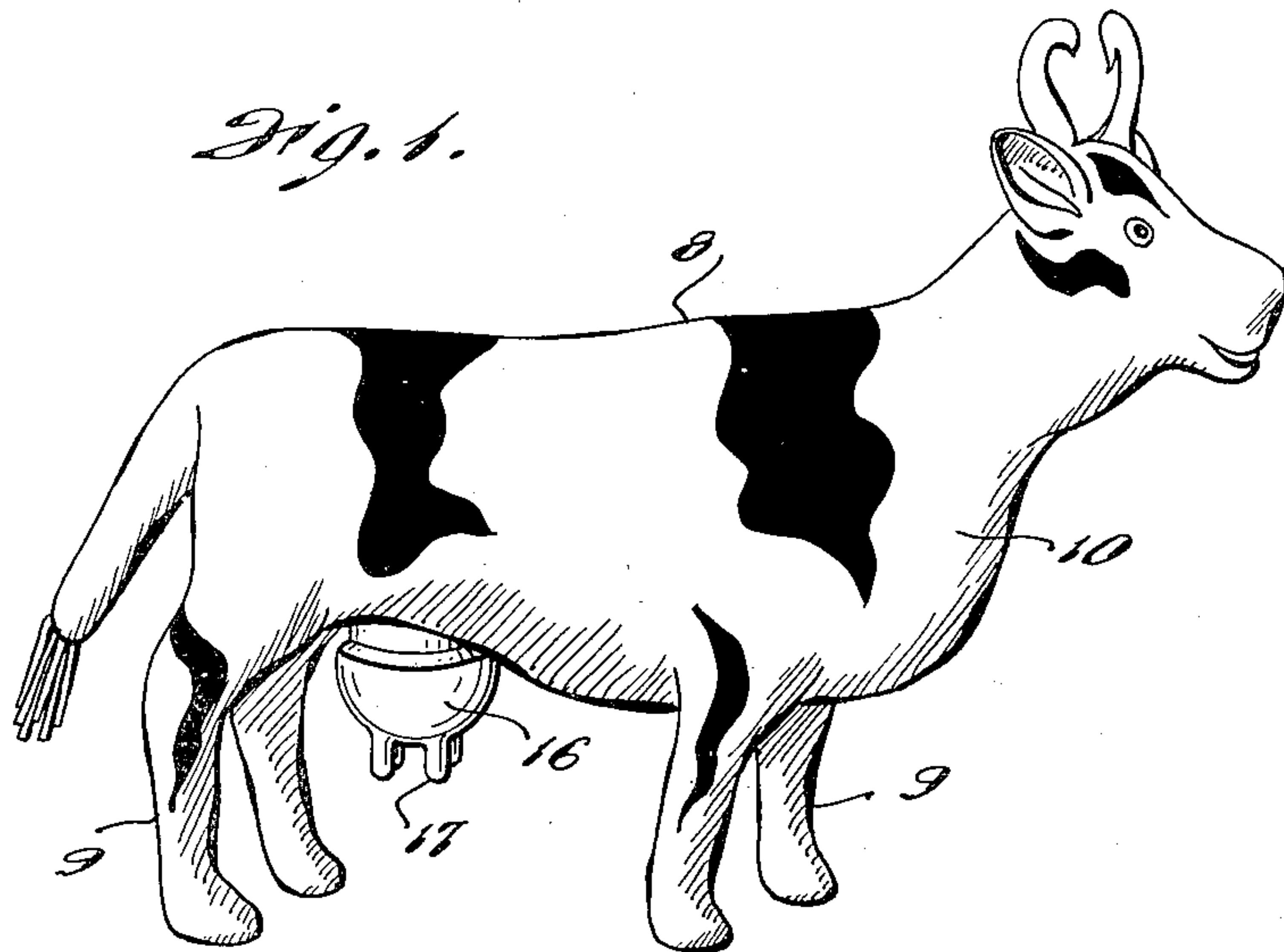
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2,577,849

SIMULATED DISPENSING DEVICE

Filed April 14, 1948

2 SHEETS—SHEET 1



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2 SHEETS—SHEET 2

Fig. 4.

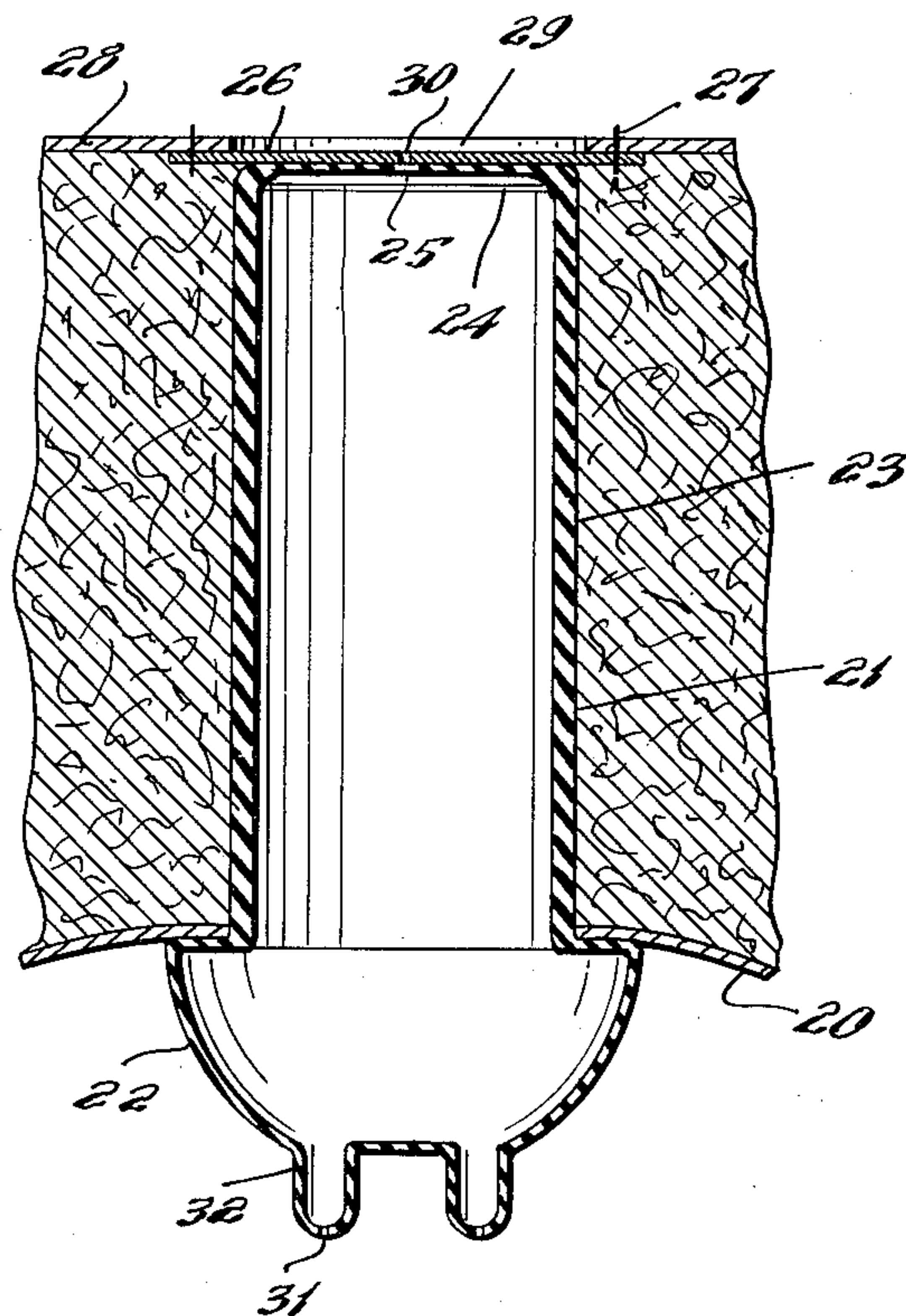
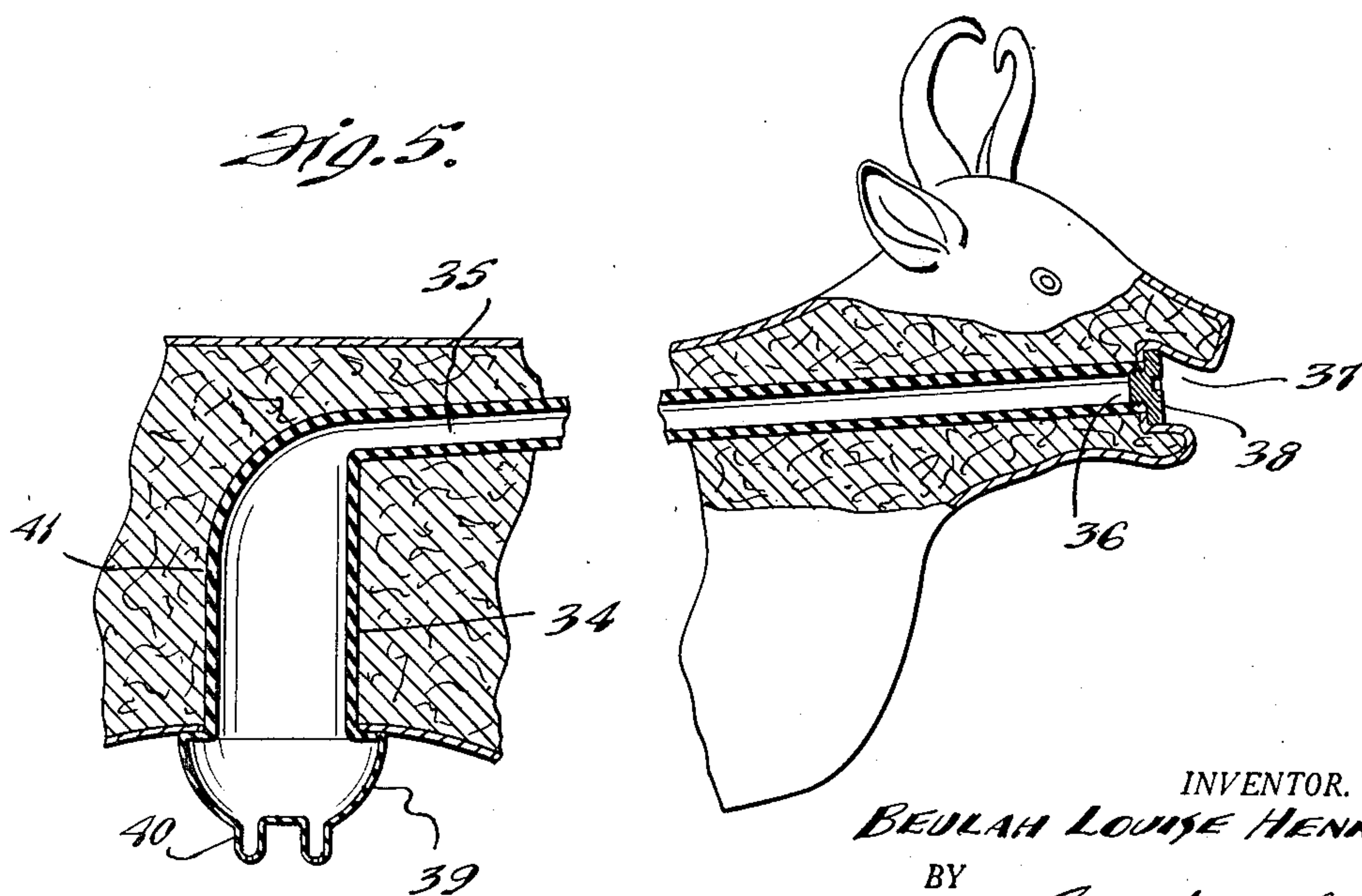


Fig. 5.



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UNITED STATES PATENT OFFICE

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SIMULATED DISPENSING DEVICE

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1 Claim. (Cl. 222—78)

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This invention relates to a toy animal and has particular reference to a toy animal which simulates a milch cow.

The invention has in view a toy cow which is constructed and arranged for emitting a liquid from the teats thereof as desired so as to simulate the giving of milk to thereby provide an entertaining toy for children.

Another object of the invention is to provide a toy cow having a liquid receiving receptacle arranged within the body thereof with an open end disposed in protruding relation and forming a connection for attaching the udder to the body of the toy.

Another object of the invention is to provide a toy cow with a flexible resilient udder which is compressible for controlling the discharge of liquid therefrom and which is adapted to return to normal formation after compression.

Another object of the invention is to provide a toy cow of the indicated character with a removable udder for facilitating washing or cleaning thereof and of the inside of the receptacle.

Still another object of the invention is to provide a toy cow which may be supplied with a liquid from a remote part and conveyed to the receptacle for discharge through the udder of the toy.

With the foregoing and other objects in view, reference is now made to the following specification and accompanying drawings in which the preferred embodiments of the invention are illustrated.

In the drawings:

Fig. 1 is a perspective view of a toy cow constructed in accordance with the invention.

Fig. 2 is a fragmentary vertical sectional view showing the liquid receiving receptacle and udder connected therewith.

Fig. 3 is an under side view of the udder.

Fig. 4 is a view similar to Fig. 2 illustrating another form of receptacle and udder.

Fig. 5 is a fragmentary view partially in section illustrating a modified form of the invention.

Referring to the drawings by characters of reference, the toy illustrated therein is in the form of a toy cow which is constructed and arranged to simulate a milch cow. It is to be understood however, that the toy may be in the form of any other milch animal. The toy cow comprises a body 8 including leg members 9 which body may be formed of any desired material or composition and which as illustrated is of stuffed formation having an outer fabric covering 10 of plush and the like and a filling of kapok 11.

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Arranged within the body 8 is a receptacle 12 having an open lower end 13 protruding there-through forwardly of the rear legs 9. The receptacle 12 is formed with an externally threaded lower end adapted to removably receive a cover 14 having an internally threaded peripheral flange 15 for engagement over the threaded lower end of the receptacle. The cover 14 is sealed about the flange 15 within the reduced upper end of a hollow flexible resilient member 16 having a plurality of hollow teats 17 depending from the bottom wall thereof with openings 18 in the lower ends of said teats. The member 16 is fashioned of rubber composition and the like so as to render the same compressible for discharging liquid through the openings in the teats and which due to its inherent resiliency will return to normally expanded formation when relieved of compression. The cover 14 provides a mounting for connecting the member 16 with the body 8 of the toy so that the same simulates the udder of a milch cow. The cover 14 is formed with an opening 19 through which liquid from the receptacle may flow by gravity into the member 16. The receptacle 12 is adapted to be filled with liquid by unscrewing the cover 14 from the lower end thereof and when the receptacle is supplied with liquid the cover is then engaged thereover to close the bottom of the receptacle and render the connection therewith leakproof.

Instead of the previous form of receptacle the toy cow may be provided with a receptacle 21 secured vertically therein with the rounded lower end 22 protruding therefrom forwardly of the rear legs as shown in Fig. 4 of the drawings. The receptacle 21 is closed at the top by a flexible diaphragm 24 having a central opening 25 therein. Overlying the diaphragm 25 is a flexible annular covering 26 of leather or equivalent material which extends laterally beyond the receptacle 21 and is circumferentially secured by stitching 27 to the fabric covering 28 forming the casing of the toy. The covering 26 closes a circular opening 29 in the casing and is provided with an aperture 30 disposed in registry with the opening 25 in the diaphragm 24 and which is of a size to permit of the insertion of the discharge end of an eye-dropper and the like for admitting liquid to the receptacle 21 through the opening 25.

The receptacle 21 is fashioned of rubber composition and the like so that the protruding portion 22 thereof may be compressed for discharging the liquid therefrom through openings 31 in the teats 32 thereof and which due to its inherent resiliency will expand to normal formation when relieved of compression. The upper portion 23 of

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said receptacle is relatively rigid so as to retain its formation and hold the same within the toy.

In the form of the invention illustrated in Fig. 5 of the drawings, the toy cow may be equipped with a receptacle 34 which is provided with a tube 35 extending forwardly from the top thereof and terminating with its open end 36 disposed in protruding relation in the mouth 37 of the toy. In this form of the invention a plug 38 is adapted to be frictionally retained in the open end of the tube and may be removed as desired for supplying the receptacle with liquid by inserting the discharge end of an eye-dropper and the like in the open end of the said tube.

In this form of the invention the lower portion 39 of the receptacle 34 is fashioned of flexible resilient material to permit of the compression thereof for discharging liquid through the teats 40 thereof while the upper portion 41 of the receptacle is rigid so as to retain its formation and hold the same within the body of the toy. This is true also of the form of the receptacle shown in Figs. 1 to 3 inclusive of the drawings, the receptacle 12 being rigid while the flexible resilient lower portion 16 of the receptacle is adapted to be compressed for forcing the liquid therefrom and due to its inherent resiliency will return to normal formation after compression.

What is claimed is:

In a toy cow, a cow body having a cavity opening through the top and under side thereof adjacent the rear legs; a receptacle including a hollow rigid upper portion located in said cavity with the upper end thereof located at the top of said cavity and the lower end thereof pro-

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truding through the opening in the under side of the body, a hollow flexible resilient lower portion having a generally rounded lower wall provided with a plurality of apertured teats and an upper wall extending inwardly from the upper end of said rounded wall and connected with the protruding lower end of said rigid upper portion to dispose the flexible resilient lower portion in closing relation with the lower end of the receptacle, said resilient lower portion being normally expanded and being adapted to be compressed to discharge liquid from the receptacle through said teats and to return to normal expanded relation after compression, and a flexible resilient covering closing the upper end of the cavity and secured in overlying relation with the upper end of said hollow rigid upper portion and having an expandable opening disposed in registry with the upper end thereof for admitting liquid to said receptacle.

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