

(No Model.)

A. HOENIG.
INSUFFLATOR.

No. 602,010.

Patented Apr. 5, 1898.

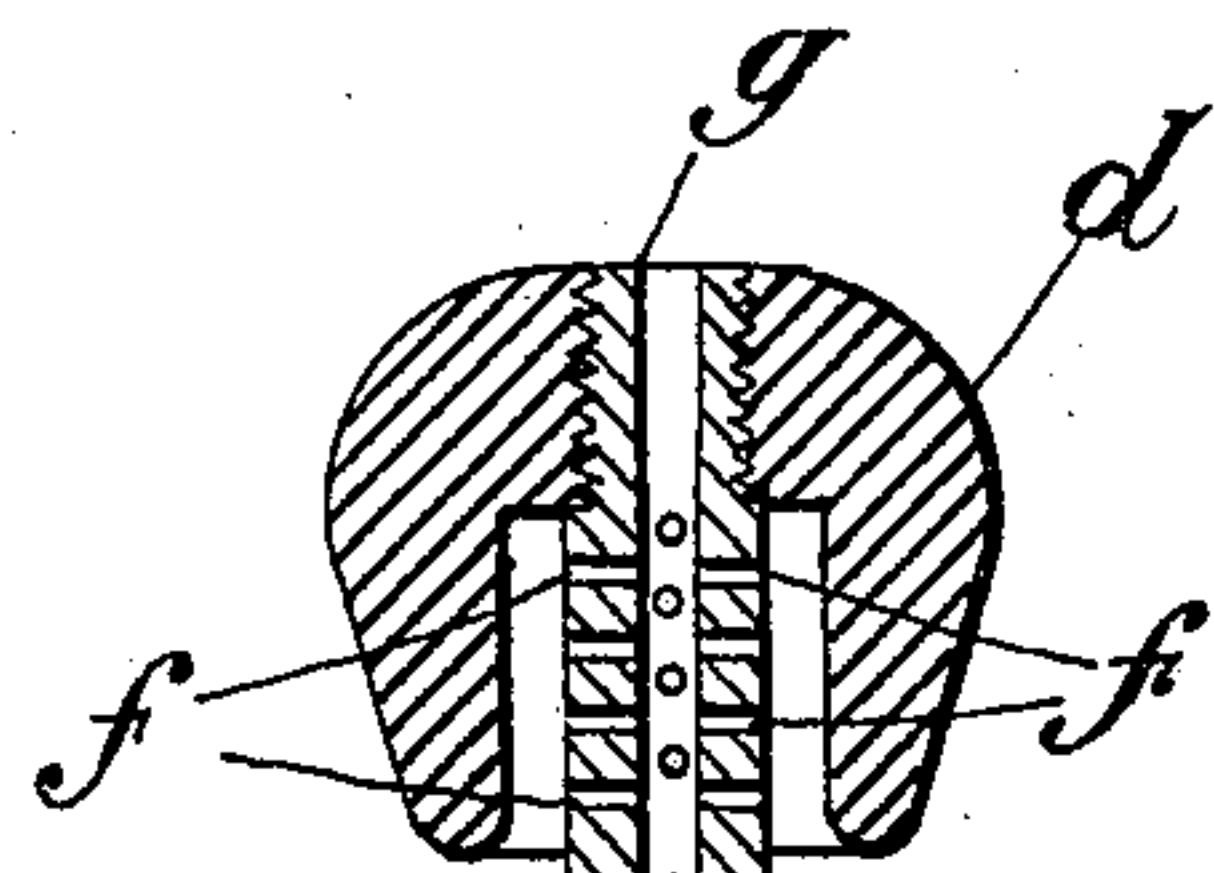


Fig. 1.

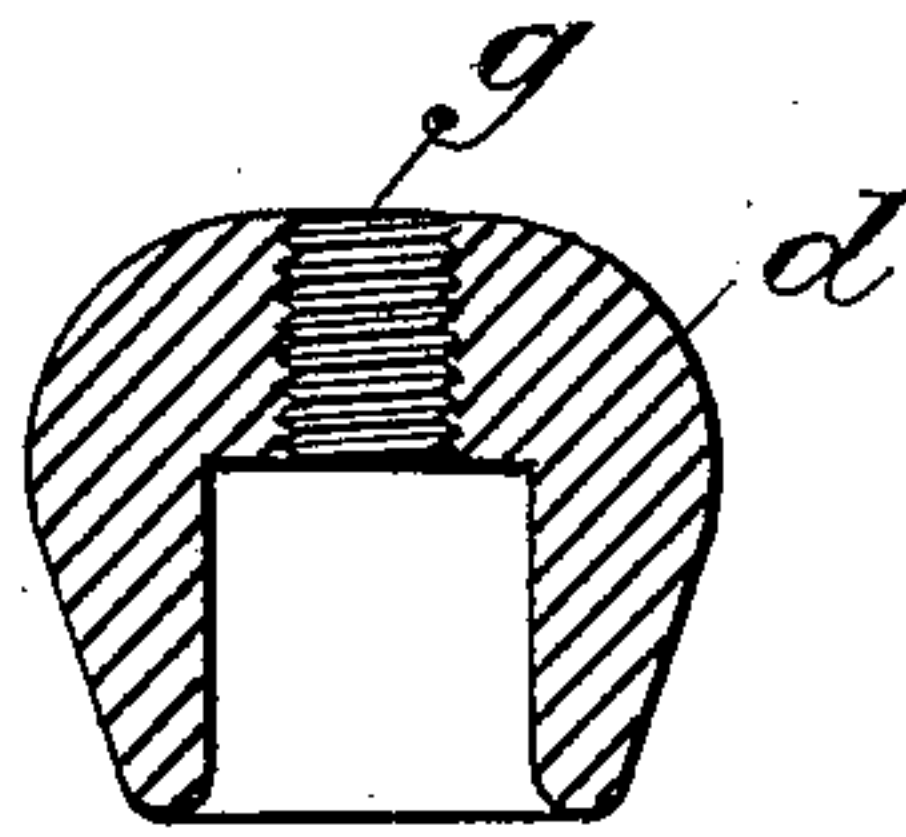


Fig. 2.

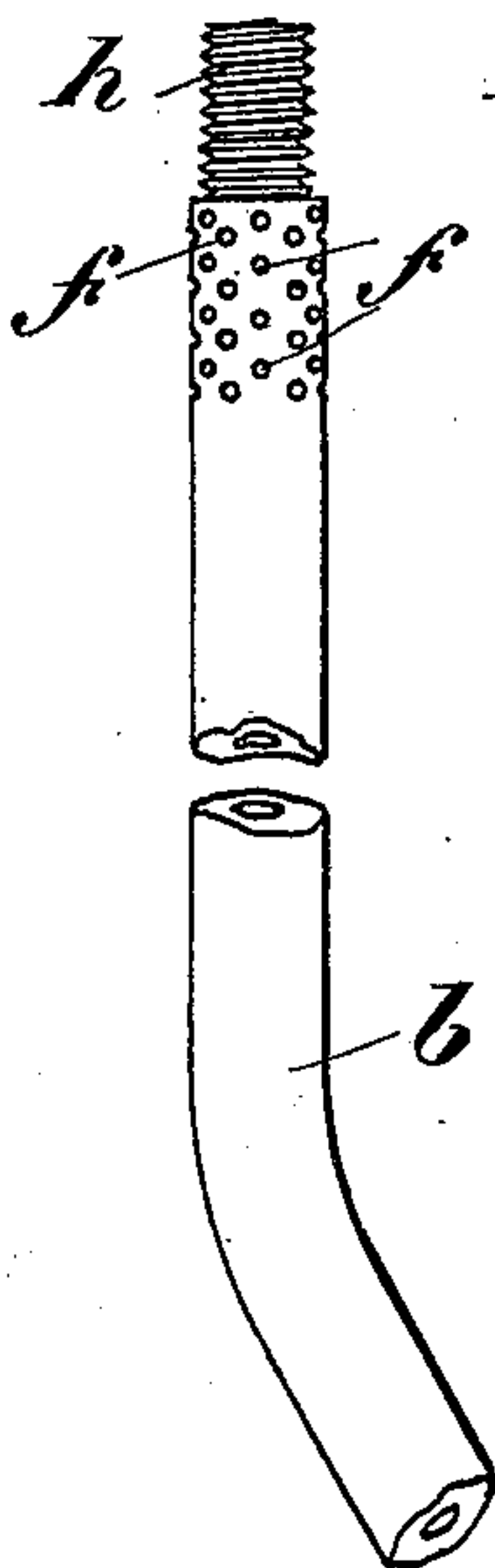
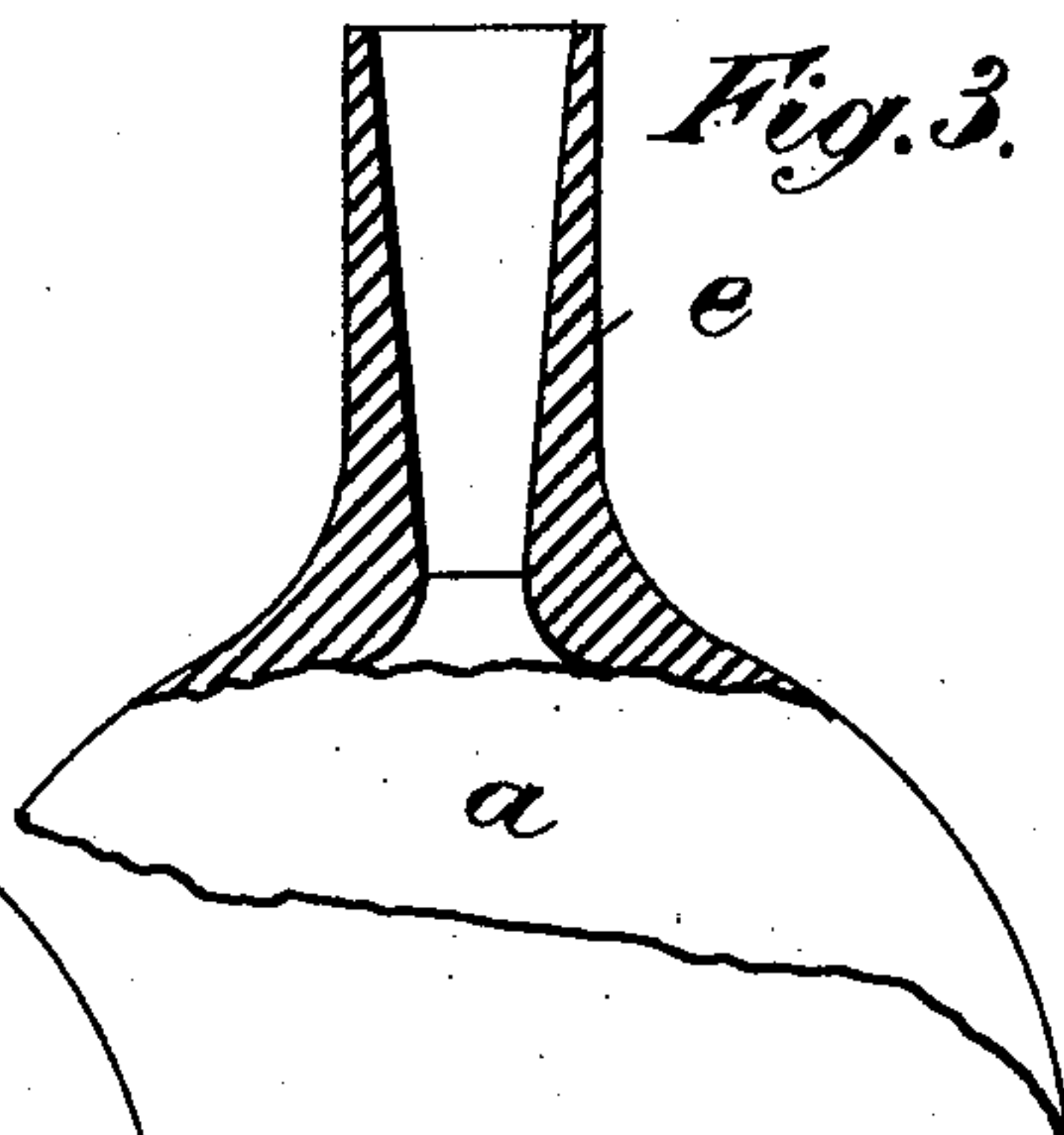


Fig. 3.



Witnesses:
Max Mayer.
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UNITED STATES PATENT OFFICE.

ALEXANDER HOENIG, OF BERLIN, GERMANY.

INSUFFLATOR.

SPECIFICATION forming part of Letters Patent No. 602,010, dated April 5, 1898.

Application filed June 12, 1897. Serial No. 640,557. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER HOENIG, a subject of the King of Prussia, German Emperor, residing at Nos. 27 and 28 Stallschreiberstrasse, Berlin, in the Kingdom of Prussia, in the Empire of Germany, have invented certain new and useful Improvements in Means for Dispersing Pulverulent Substances, of which the following is a specification.

10 This invention refers to a device for introducing pulverous substances into cavities of the bodies of men or animals and for dispersing said substances within those cavities; and my invention consists in certain combinations and arrangements of parts, as are fully described hereinafter.

In order to make my invention more clear, I refer to the accompanying drawings, in which similar letters denote similar parts throughout the several views, and in which—

20 Figure 1 is a longitudinal section through my improved device, some parts (*c* and *a*) being in side view. Fig. 2 shows the upper end of the pipe *b*, together with the unscrewed head *d*, the latter being in section; and Fig. 3 is a separate view of the open half of the ball *a*, the tube-like projection *e* being in section.

My improved device consists of an india-rubber ball *a*, having a tube-like projection *e*. The bore of the latter is conical—i. e., widens in the direction from the ball to the open end—and serves for the reception of the shovel or spoon like end *c* of the pipe *b*. This end *c* is correspondingly shaped, and by thus shaping the parts *c* and *e* I am enabled to connect them firmly and tightly in a most simple way. The shovel or spoon *c* serves, of course, for introducing the pulverized substance. The pipe *b* has at its other end a threaded part *h*, upon which may be screwed the mushroom-like head *d*. The latter takes freely over the end of the pipe *b* or over a number of holes *f*, provided in said end respectively, and by thus preventing the holes *f* from coming in contact with the surface or wall of the respective cavity they are at the same time prevented against being obstructed or stopped. The channel or bore proper of the pipe *b* is not closed by the head *d*, but the threaded

part *h* of the pipe takes completely into and through the threaded hole of the head. (See Fig. 1.)

The device is especially intended for the distribution of antiseptic or hygienic means, provided the latter be of a pulverulent condition.

Having now described my invention, what I desire to secure by Letters Patent of the United States is—

1. As a means for introducing pulverulent substances into cavities of the bodies of men or animals, and distributing or dispersing them within said cavities the combination with a compressible ball and a pipe extending from the same, of a mushroom-like head secured to the free end of said pipe without closing the bore of the same, and having in its rear part a space opening to the rear side of the head, and surpassing in diameter the diameter of the pipe; the part of the latter located within said space having holes putting the bore of the pipe in communication with the said space, as set forth.

2. As a means for introducing pulverulent substances into cavities of the bodies of men or animals, and distributing or dispersing them within said cavities, the combination with a compressible ball having a tube-like extension with a bore widening from its inner end to its outer one, and with a pipe having a shovel-like end piece of conical shape adapted to take into, and be connected with, said tube-like extension of the ball, of a mushroom-like head secured to the free end of said pipe, and having in its rear part a space opening to the rear side of the head and surpassing in diameter the diameter of the pipe; the part of the latter located within said space having holes putting the bore of the pipe in communication with the said space, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALEXANDER HOENIG.

Witnesses:

HENRY HASPER,
W. HAUPT.