

C. M. LOCKARD.
 PERFUME DISPENSING APPARATUS.
 APPLICATION FILED MAY 28, 1910.

999,324.

Patented Aug. 1, 1911.

Fig. 1

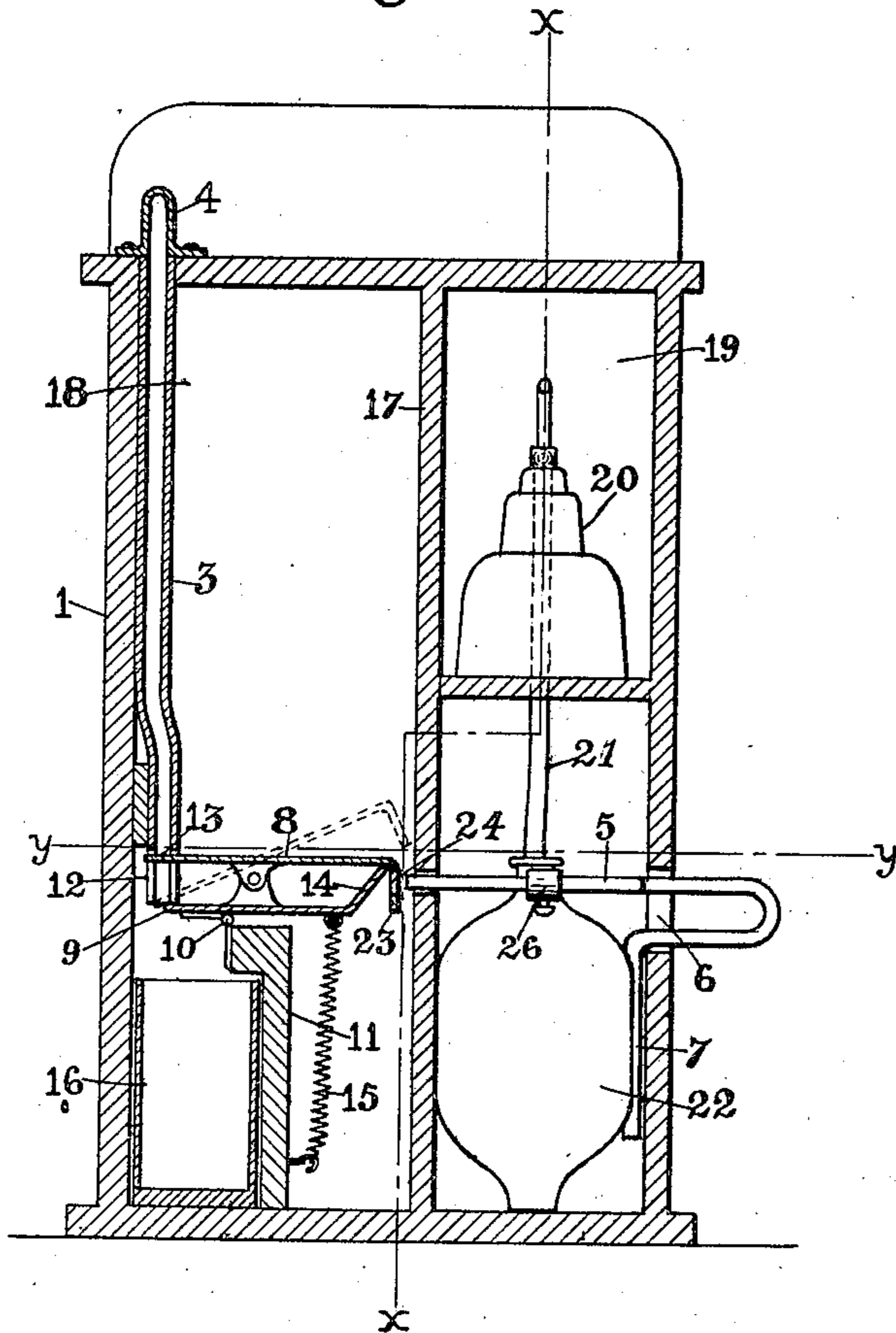


Fig. 2

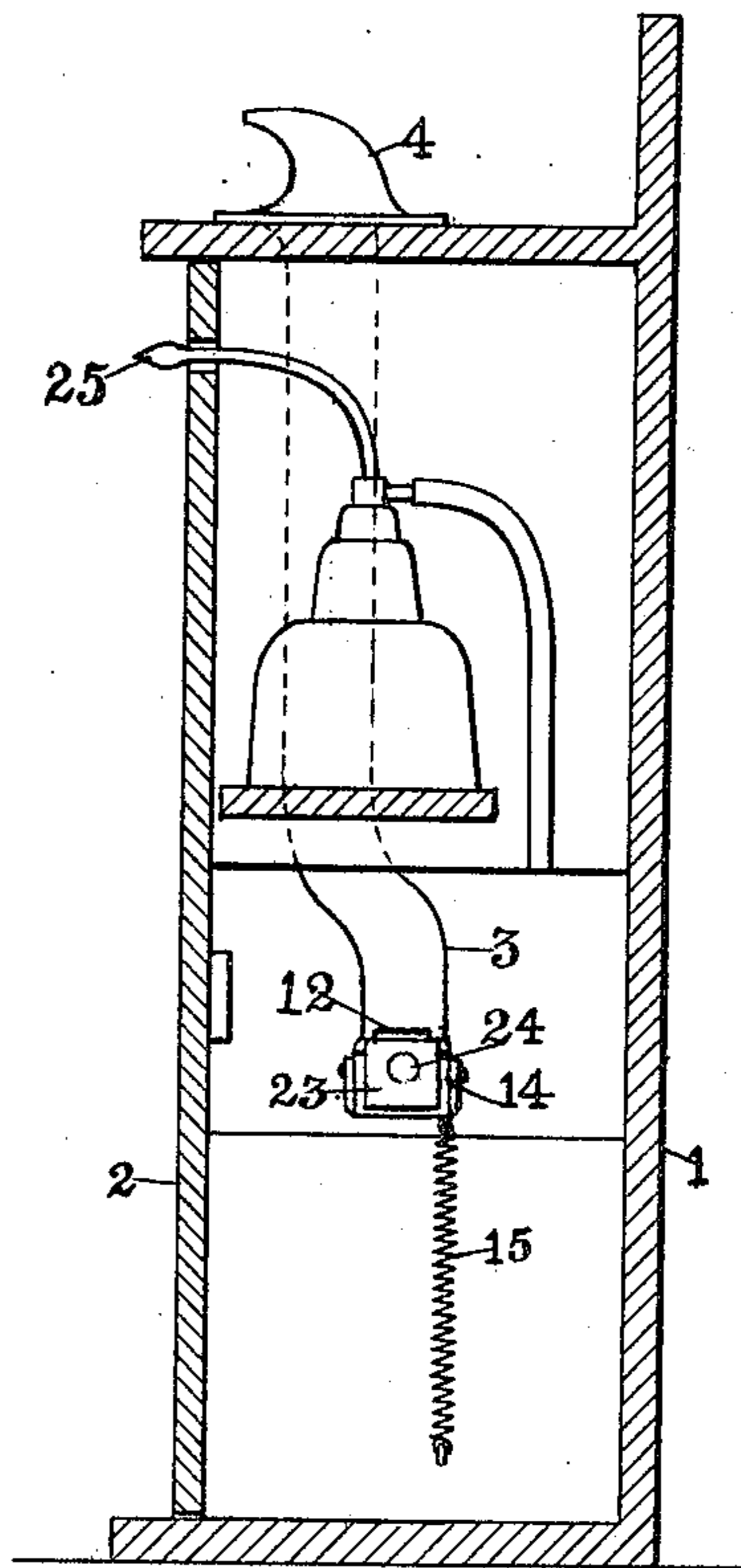
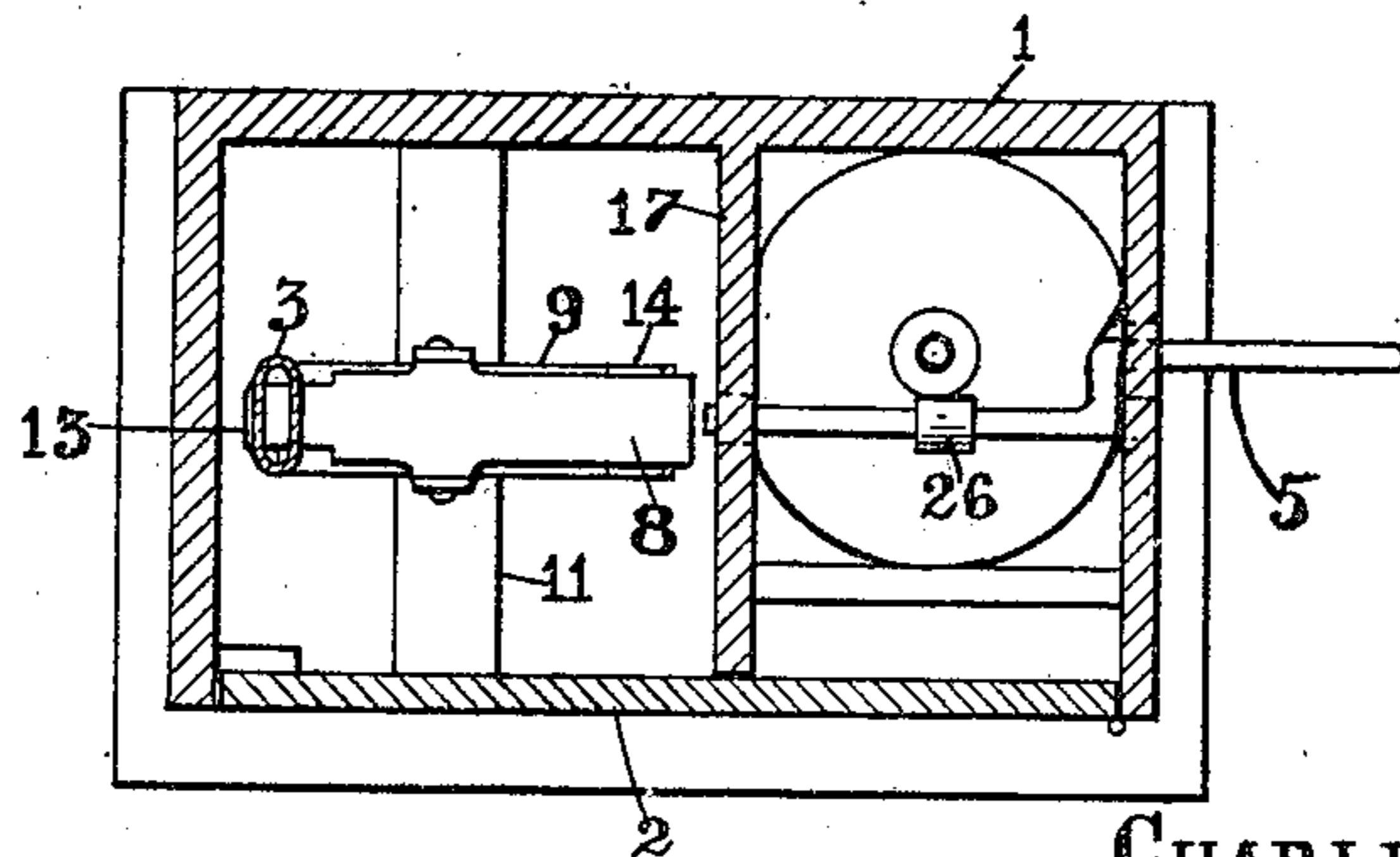


Fig. 3



Witnesses
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PERFUME-DISPENSING APPARATUS.

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Specification of Letters Patent.

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Application filed May 28, 1910. Serial No. 563,865.

To all whom it may concern:

Be it known that I, CHARLES M. LOCKARD, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Perfume-Dispensing Apparatus, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to that class of perfume dispensing apparatus in which the perfume is delivered in the form of a fine spray and the invention consists in certain specific features of construction whereby a simple and effective apparatus is obtained all as more fully hereinafter described and specifically set forth in the claims.

In the drawings which accompany this specification and in which the different parts are indicated by numerals, Figure 1 is a vertical central section in a plane parallel to the front face of the apparatus; Fig. 2 is a vertical section on line $x-x$ Fig. 1; and Fig. 3 is a horizontal section on line $y-y$ Fig. 1.

In the drawings 1 represents the outer casing inclosing the operating mechanism and provided with a suitable door 2 for access thereto.

3 is the coin chute having an inlet opening 4 for the introduction of the coin.

5 is a push rod supported in bearings in the casing and extending to the outside thereof through a guide slot 6. It is provided with a downwardly projecting arm 7 and with an adjustable stop 26. A tilting platform 8 is pivotally secured in the path of the push rod upon a second tilting platform 9 which is pivotally secured at 10 upon the fixed partition 11. The coin chute extends down to the lower platform 9 and is provided at its lower end with a slot 12 to admit the tongue 13 of the upper platform. The upper platform has a downwardly bent rear flange 23 provided with a hole 24 into which the inner end of the push rod is adapted to pass. The lower platform 9 has an upwardly extending inclined flange 14 which is also in the path of the push rod beneath the flange 23 and a spring 15 attached to this platform holds it in normal position against the lower end of the chute. Beneath this lower platform is formed a compartment containing a suitable coin drawer 16.

A vertical partition 17 divides the interior of the casing into separate compartments 18 and 19, the latter containing an atomizer 20 of known construction and connected by a rubber tube 21 with the bulb 22 confined by the walls of the compartment below the push rod and acting by its resiliency against the arm 7 of the push rod to hold it in the normal position shown. The atomizer has a discharge nozzle 25 passing freely through an opening in the door.

In practice a coin of prescribed denomination being dropped in the coin slot and falling through the chute upon the tongue 13 of the upper platform tilts the latter into the position shown in dotted lines and withdraws the flange 23 out of the path of the push rod. The push rod being now pushed inwardly to the full extent of its projecting part strikes against the upwardly inclined flange 14 of the lower platform and tilts it and both platforms are now tilted together to a sufficient degree to permit the coin to escape from the chute and drop into the coin receptacle. At the same time the actuation of the push rod compresses the bulb and causes a fine spray of perfume to issue from the nozzle of the atomizer. As soon as the push rod is released the resilient bulb will gradually restore it to its normal position and thus allow the platforms to also resume their normal positions.

The arm 7 is merely a bent portion of the push rod 5 and in pressing upon the bulb (which is confined) it cannot flatten it out and the jet of air for the atomizer will be produced immediately at the beginning of the movement of the push rod, its further movement producing no appreciable result. At the same time the reinflation of the bulb is greatly retarded and if the push rod is returned by hand, after its partial return the bulb will produce no appreciable result in repeating the operation. When the push rod is fully returned by the inflation of the bulb, the platforms reassume their normal positions, and on the attempt to operate the device without dropping a coin the push rod will merely enter the hole 24 of the platform 8 and interlock both platforms.

What I claim as my invention is:—

In a perfume dispenser, the combination with a casing and an atomizer inclosed

therein and provided with a rubber bulb
for supplying it with air, of a push rod
horizontally guided in the casing and pro-
vided with a return bend projecting out-
5 wardly through a slot in the side of the cas-
ing and terminating inside the casing in a
vertically extending arm limiting the out-
ward movement of the push rod, and fixed

abutments confining the bulb in a limited
space and pressing it against the arm. 10

In testimony whereof I affix my signature
in presence of two witnesses.

CHARLES M. LOCKARD.

Witnesses:

ANNA M. DORR,

ANNA M. SHANNON.

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