

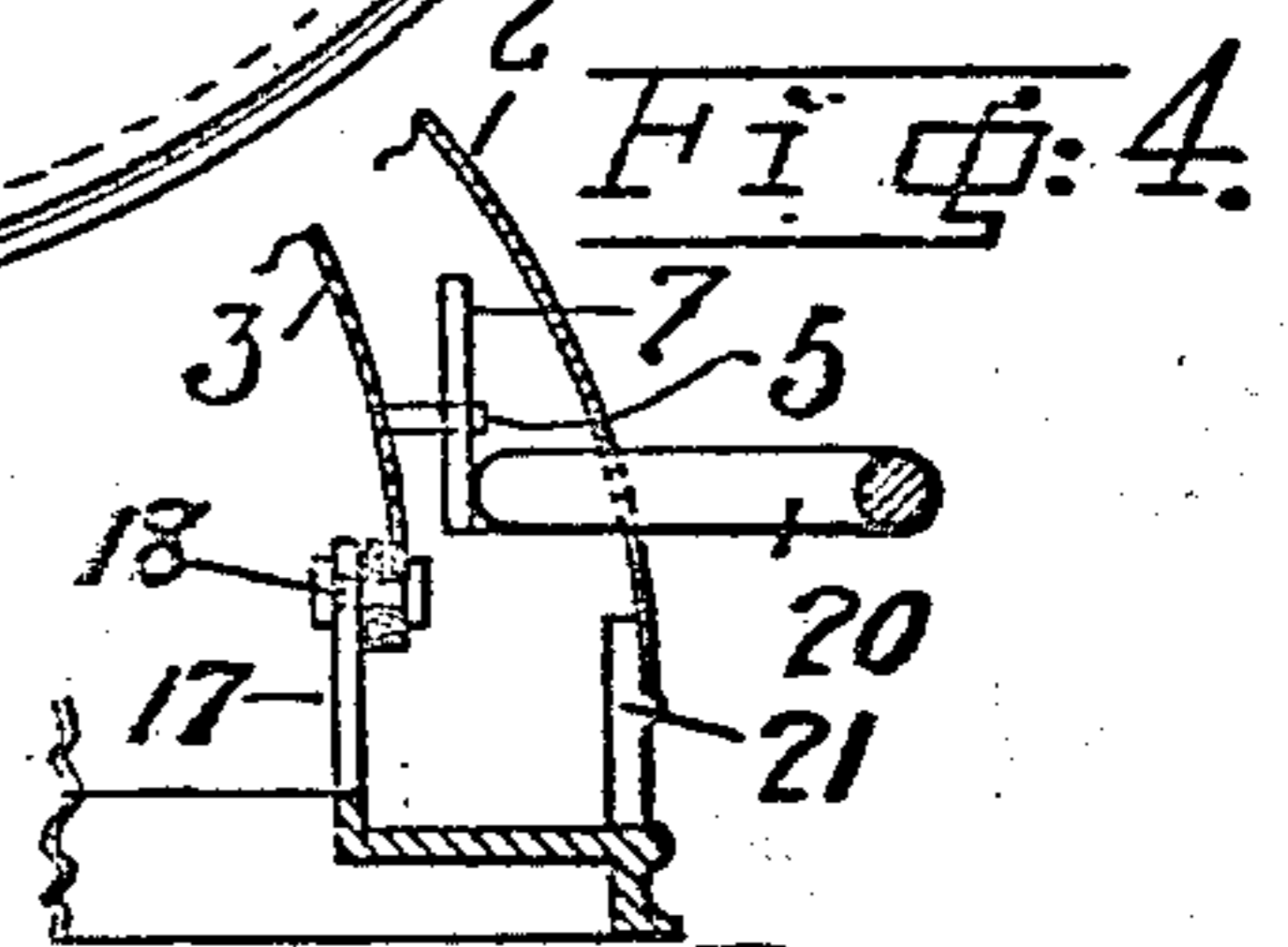
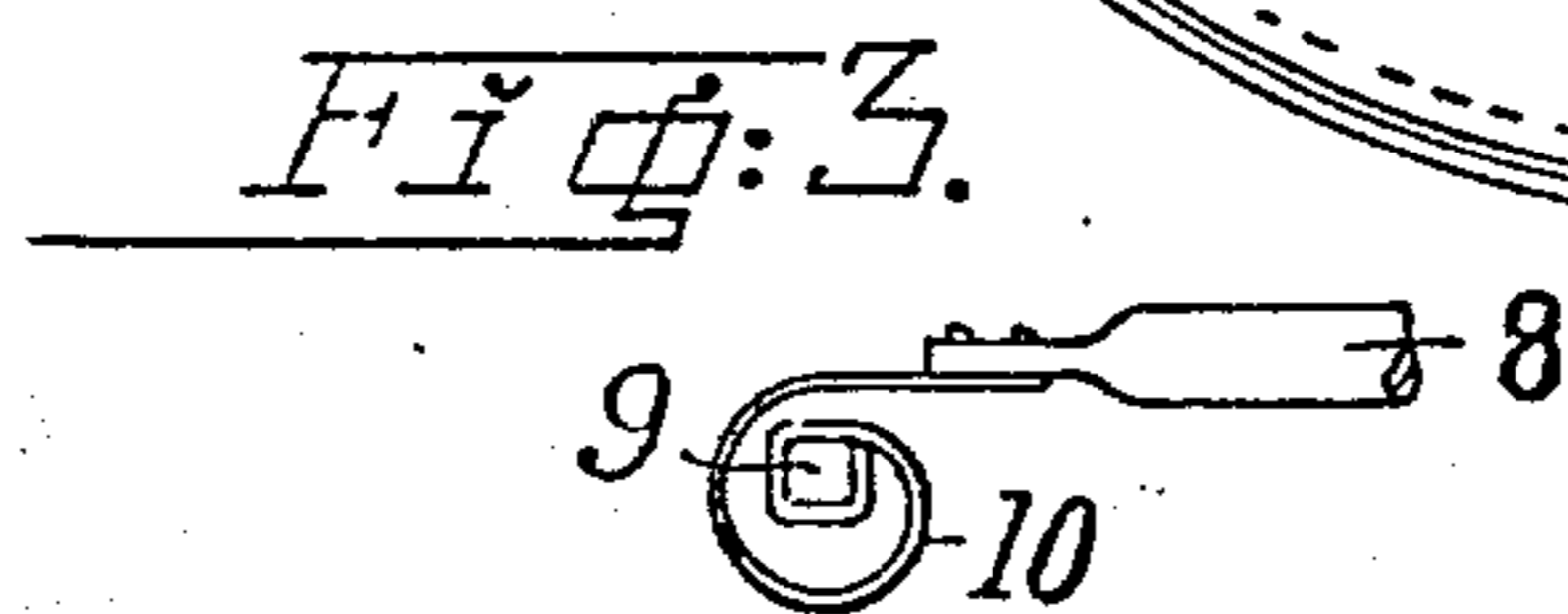
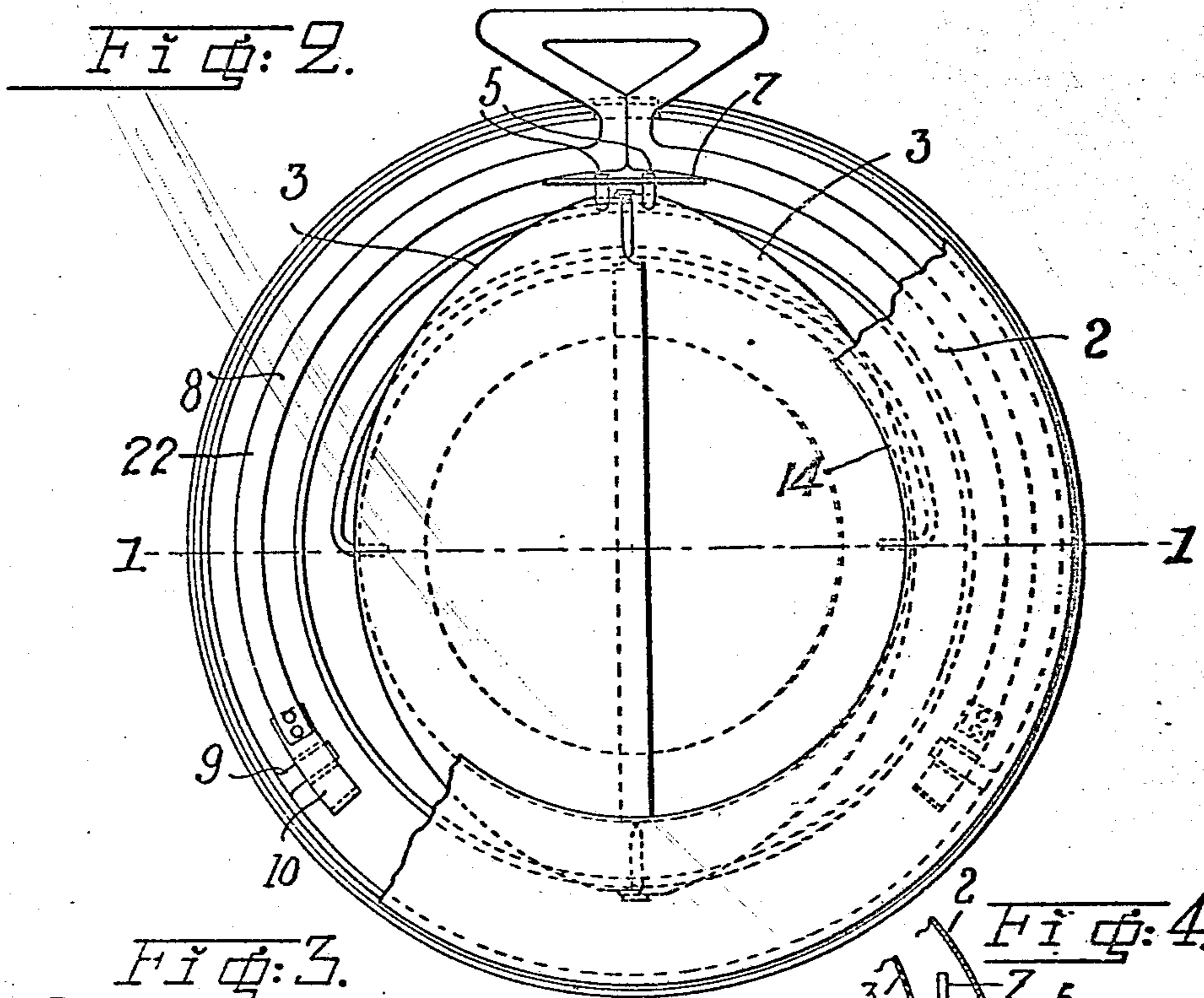
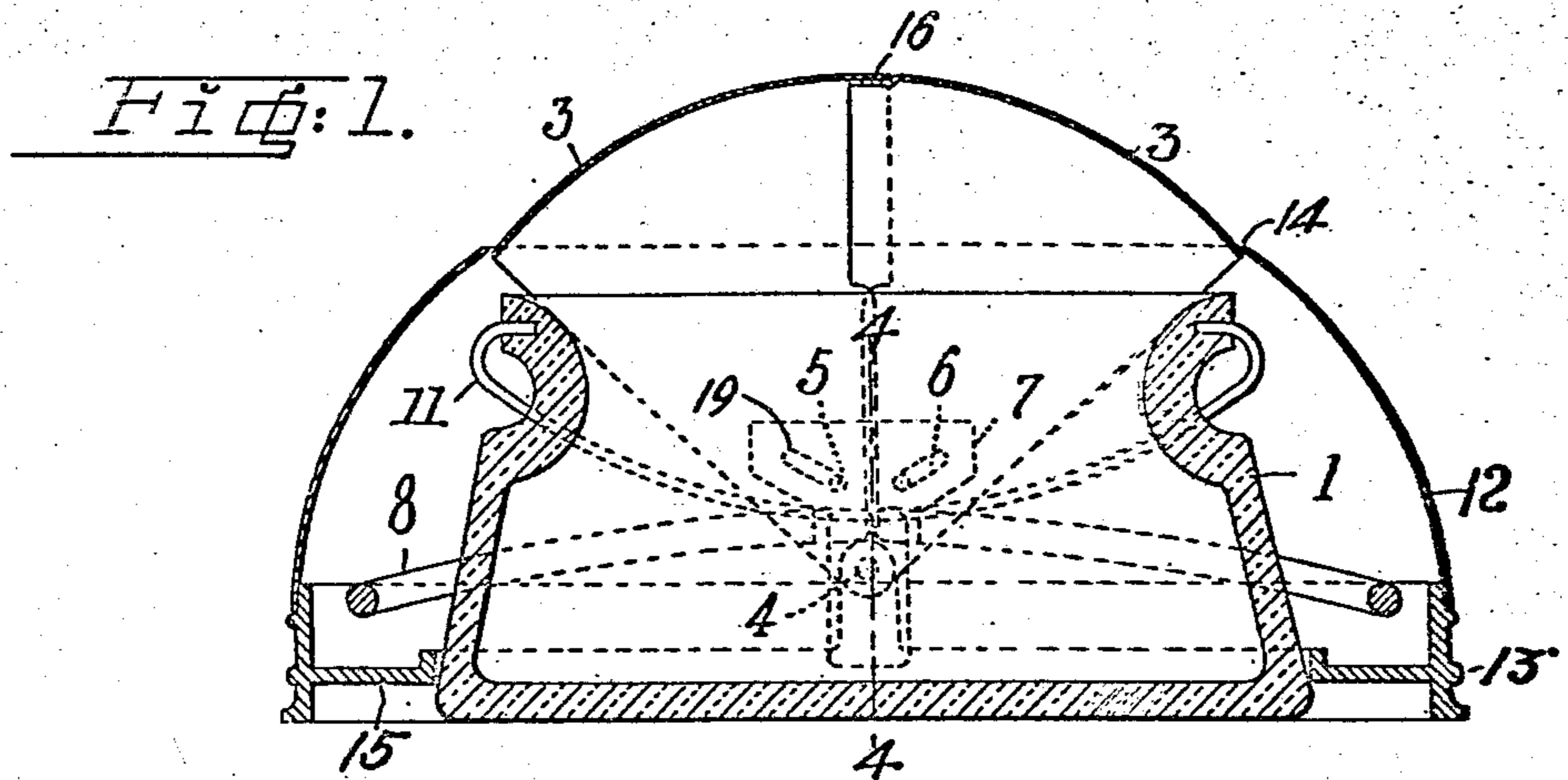
O. A. OTTOSSON.

SPITTOON.

APPLICATION FILED SEPT. 20, 1907.

899,130.

Patented Sept. 22, 1908.



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# UNITED STATES PATENT OFFICE.

OTTO ALBERT OTTOSSON, OF STRÖMSUND, SWEDEN.

SPITTOON.

No. 899,130.

Specification of Letters Patent.

Patented Sept. 22, 1908.

Application filed September 20, 1907. Serial No. 393,859.

*To all whom it may concern:*

Be it known that I, OTTO ALBERT OTTOSSON, a subject of the King of Sweden, and residing at Strömsund, Sweden, have invented certain new and useful Improvements in Spittoons, of which the following is a specification.

This invention relates to improvements in spittoons or cuspidors of that class wherein mechanism is provided for normally closing the same for the purpose of concealing the expectorant in the basin or receiver, such mechanism being adapted to be operated by a user to open the spittoon when it is desired to expectorate into the same.

One of the objects of the invention is to simplify such mechanism as much as possible for the reason that the great objection to spittoons of this character is that the mechanism usually employed not only renders the article expensive but very inconvenient in the operation of washing the basin and the casing.

A further object of this invention is to provide mechanism for automatically closing the mouth or opening of the spittoon in an effective manner.

The invention will be more fully described in connection with the accompanying drawing and will be more particularly pointed out and ascertained in and by the appended claims.

In the drawing: Figure 1 is a sectional view taken on line 1—1 of Fig. 2, showing one embodiment of my invention. Fig. 2 is a plan view thereof with parts broken away. Fig. 3 is a detailed view of an improved form of mounting for the treadle. Fig. 4 is a detailed sectional view on line 4—4 of Fig. 1 showing the basin or receiver removed.

Like numerals of reference designate similar parts throughout the different figures of the drawing.

As shown a receiver or basin is designated at 1 for the purpose of containing the usual wash and receiving the expectorate deposited therein. Said basin is adapted to rest directly upon the floor or other suitable support and is provided with a bail 11 or other equivalent means whereby it may be carried or handled in the cleaning operation.

A casing 2 is provided to inclose said basin or receiver 1 and as shown said casing comprises an upper portion 12, preferably of sheet metal, and a lower or base portion 13, preferably of cast metal. In the upper por-

tion 12 is formed a mouth or opening 14 which renders the basin or receiver 1 accessible to the user. Preferably the casing and basin are of circular formation and the former is relatively increased in size with respect to the latter so as to provide an intervening space to accommodate the closures, when open, and also the mechanism for operating said closures.

In order to maintain the basin in prescribed relation, with respect to the casing the parts are arranged so that they will engage one another when assembled. In the embodiment shown the casing and the basin rest independently on a common support and the casing is provided with an extension 15 in the form of an annular flange which is adapted to engage the basin 1 and thereby hold the mouth of the same in register with the mouth of the casing 2.

The mechanism for opening and closing the spittoon is preferably mounted wholly upon the casing and is independent of and out of engagement with the basin. As shown two cooperating closures 3 are provided and are movably mounted upon the casing and are provided with overlapping portions 16 at their abutting closing margin. In the construction shown the base portion 13 is provided on its extension 15 with closures supporting portions 17 to which said closures are pivotally mounted at 18. Means is provided, preferably in the form of a treadle 8, whereby said closures may be actuated and said treadle as shown is operatively associated with said closures in the following manner: Each closure is provided with an operating pin 5, preferably disposed adjacent one of its pivotal mountings and the treadle 8 is provided with an operating member 7 having slots 19 inclined with respect to the vertical and diverging upwardly and outwardly from their lower ends. Said treadle is provided with a portion 20 which as shown projects through a slot 21 in the casing in a manner to be accessible to the foot of the user. An improved form of mounting is provided for said treadle which not only serves as a mounting therefor but also acts through said treadle to normally shut the closures. As shown said treadle is provided with forked portions 22 which partially encircle the basin 1 and which are provided on their extremities with springs 10. Said springs are in the form of a scroll or spiral and are attached rigidly at one end to

said forked portions and at their other end to projections 9 which extend radially from said base portion 13.

When the parts are in the position shown in Fig. 1 the portion 20 occupies the upper end of the slot 21 and the closures are in a position to close the mouth portion and conceal the contents of the basin 1. It will also be observed that the pins 5 occupy the lower extremities of the slots 19. When pressure is applied to the treadle the inclined slots 19 will force the pins 5 outwardly and open the closures 3 and the latter will project into the intervening space between the casing and the basin in a manner to be inclosed by the former when in an open position. The opening of said closures will render the basin accessible to the user and the full area of the mouth portion will be exposed. When pressure is released from the treadle the springs 10 will instantly act therethrough to shut the closures 3 and maintain the same in a closed position as shown in Fig. 1.

I do not wish to be confined to the use of two closures nor do I wish to be limited to the forked arrangement of the treadle and I wish it to be understood that the invention is not to be otherwise limited except for such limitations as the claims import.

I claim:

1. A spittoon comprising in combination, a casing provided with a mouth, a plurality of closures for closing and opening the mouth, each closure being provided with an operating pin, a receiver in said casing, a treadle provided with an operating member engaging said pins to open and close said closures, and a spring mounting forming the sole support for said treadle and acting normally therethrough to close and maintain said closures in a closing position.

2. A spittoon comprising in combination, a casing provided with a mouth, a plurality of pivotally mounted closures for closing and opening said mouth, each closure being provided with an operating pin, a receiver in said casing, a treadle provided with an operating member having slots through which said pins project whereby said closures may be opened by said treadle, and a spring mounting for said treadle serving to normally close said closures.

3. A spittoon comprising in combination, a casing provided with a mouth, a plurality of closures pivotally mounted on said casing

and each provided with an operating pin, a treadle having an operating member provided with inclined slots adapted to be engaged by said pins whereby said closures may be operated on movement of the treadle, a receiver in said casing, and a spring mounting for said treadle secured to said casing and serving to act through said treadle to shut said closures.

4. A spittoon comprising in combination, a casing provided with a mouth, movable means for opening and closing said mouth, a treadle device operatively associated with said means to open and close said mouth, and a receiver in said casing resting on a support common to said casing, said casing being provided with means engaging said receiver to hold the same in prescribed relation with respect to said casing.

5. A spittoon comprising in combination, a casing provided with a mouth, movable means for opening and closing said mouth, a treadle device operatively associated with said means to open and close said mouth, and a receiver in said casing and projecting through the same so as to rest upon a support common thereto, said casing being provided with a flange engaging said receiver to hold the same in prescribed relation with respect to said casing.

6. A spittoon comprising in combination, a casing provided with a mouth and a receiver engaging flange, supports on said flange, a pair of closures pivotally mounted on said supports and adapted to open and close said mouth, said closures being provided with operating pins, a treadle provided with forked extensions and an operating member or plate having inclined slots receiving said pins, studs or projections mounted on said casing, springs connecting the extremities of said forked extensions with said projections or studs and acting through said treadle to shut said closures, and a receiver resting on a support common to said casing and engaging said flange whereby the receiver is held in prescribed relation with respect to said casing.

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

OTTO ALBERT OTTOSSON.

Witnesses:

GEO. R. GÖTHE,  
DANIEL NORDFON.