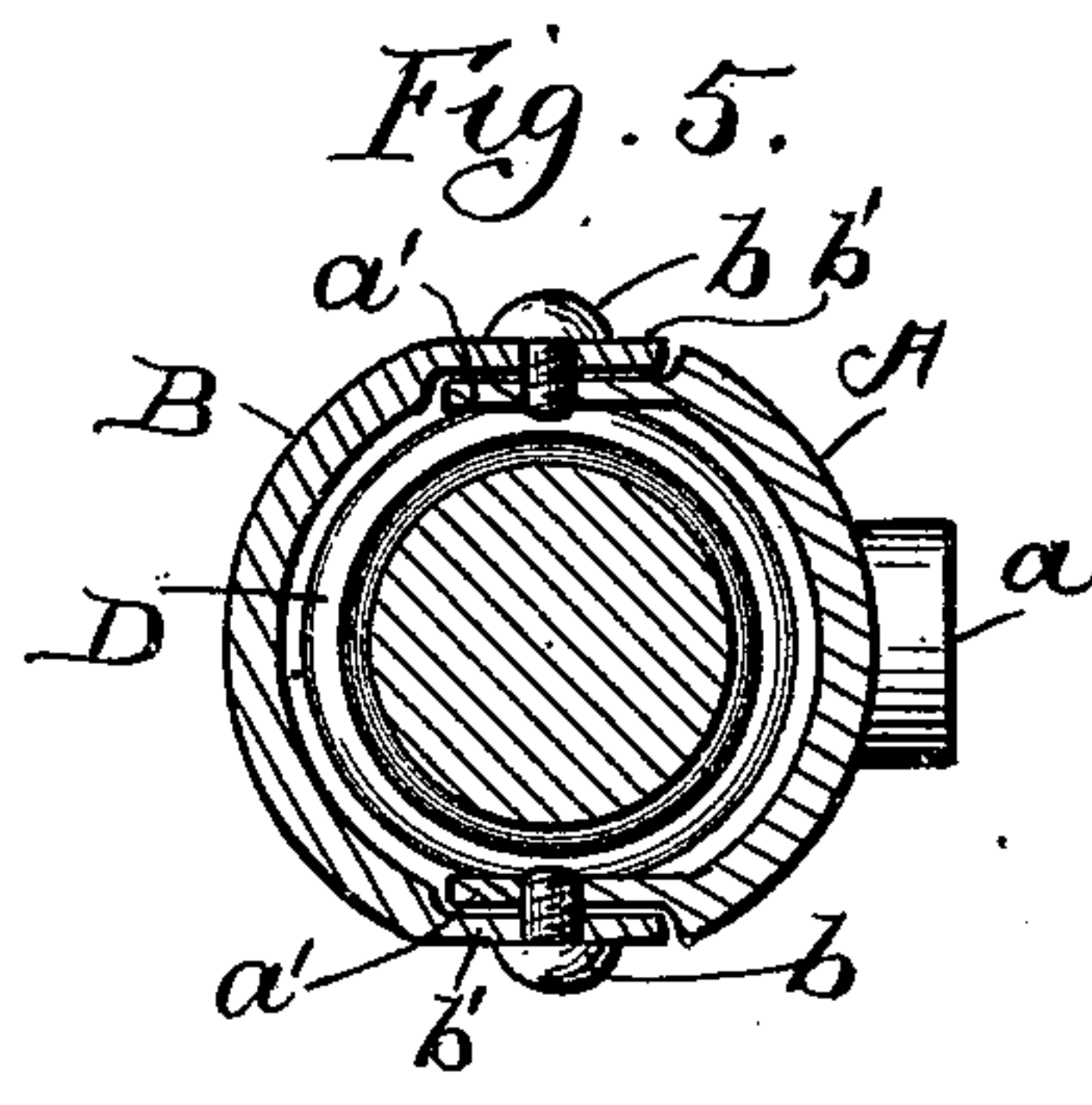
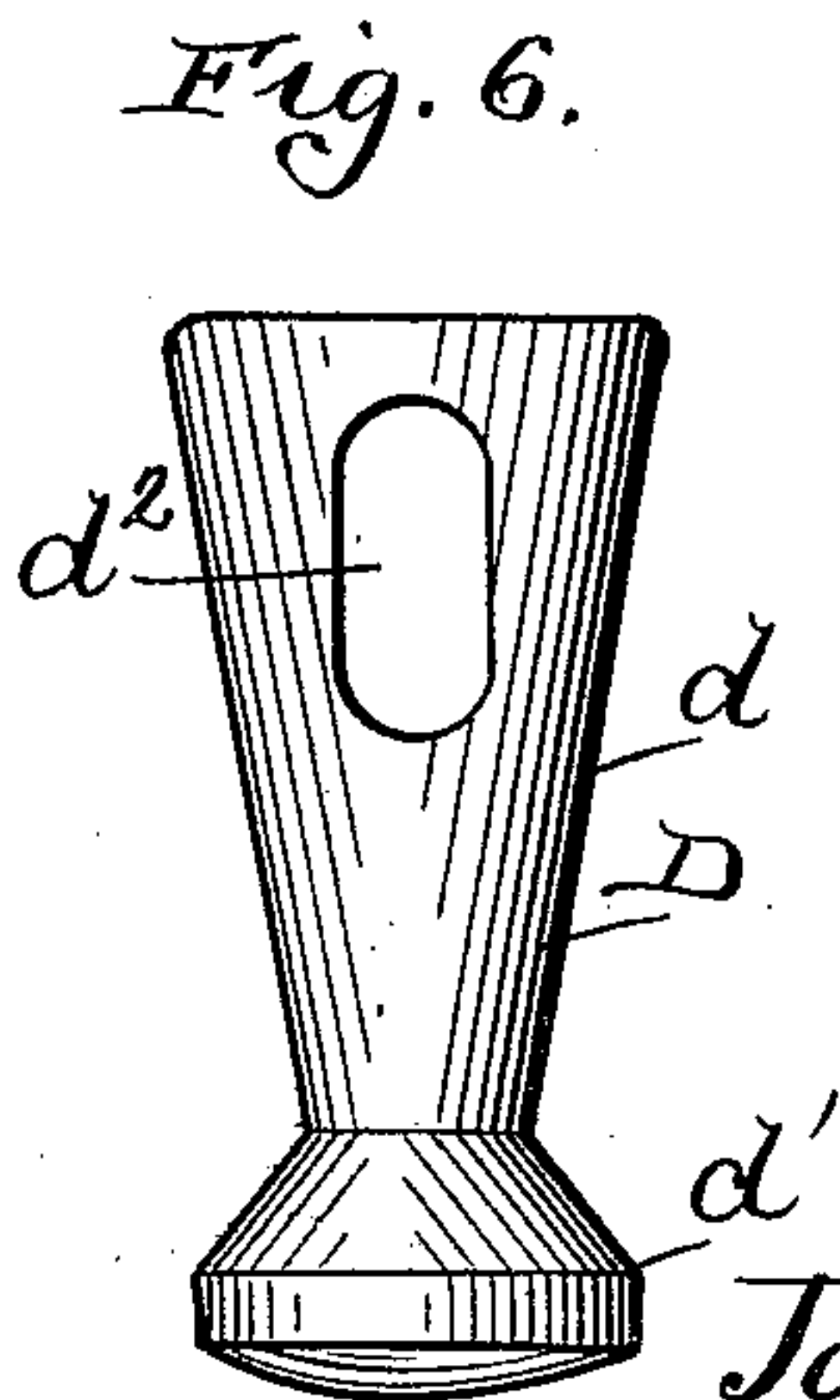
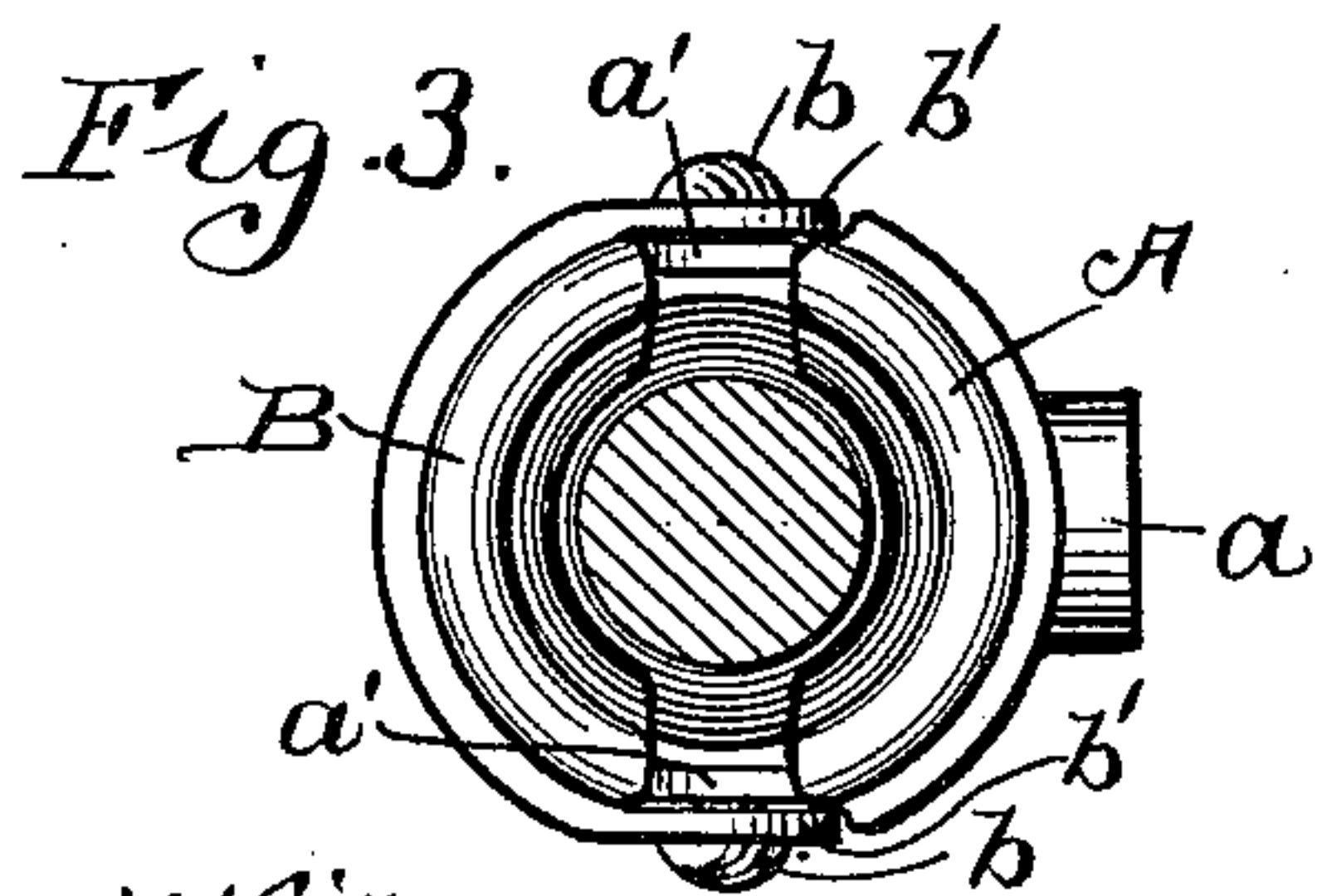
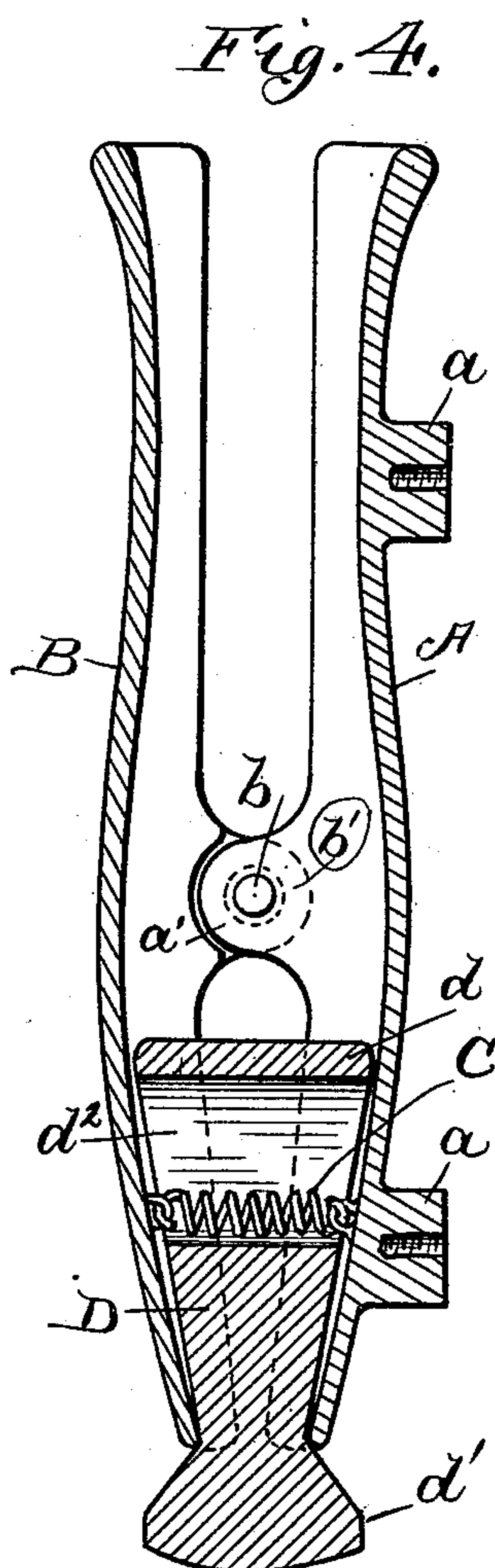
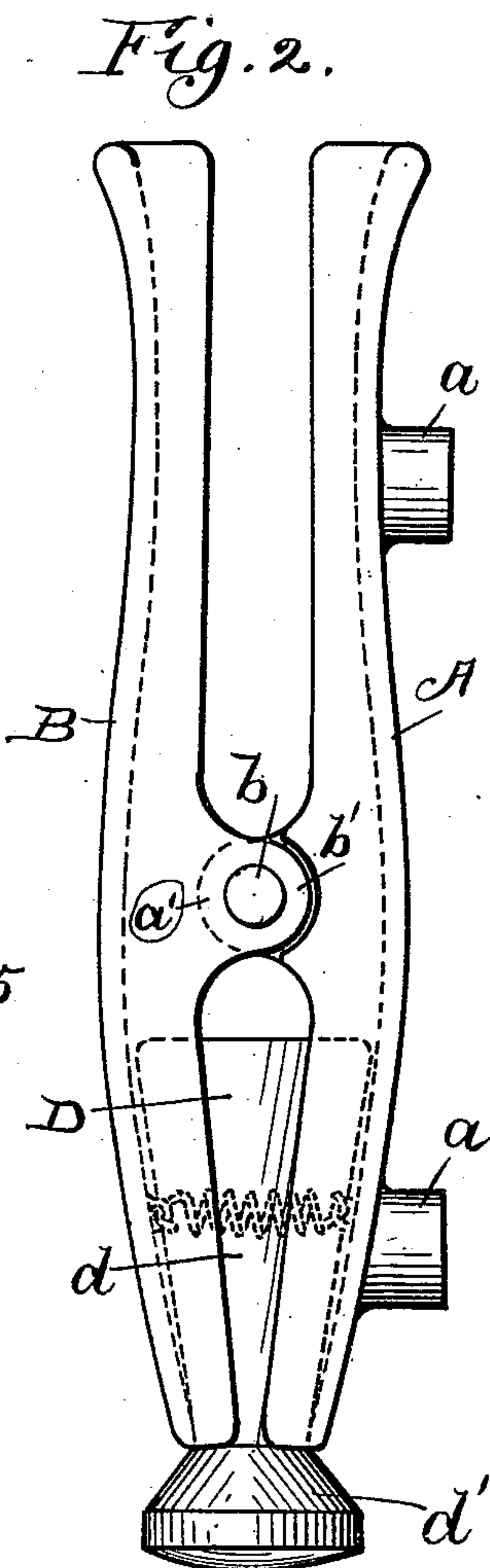
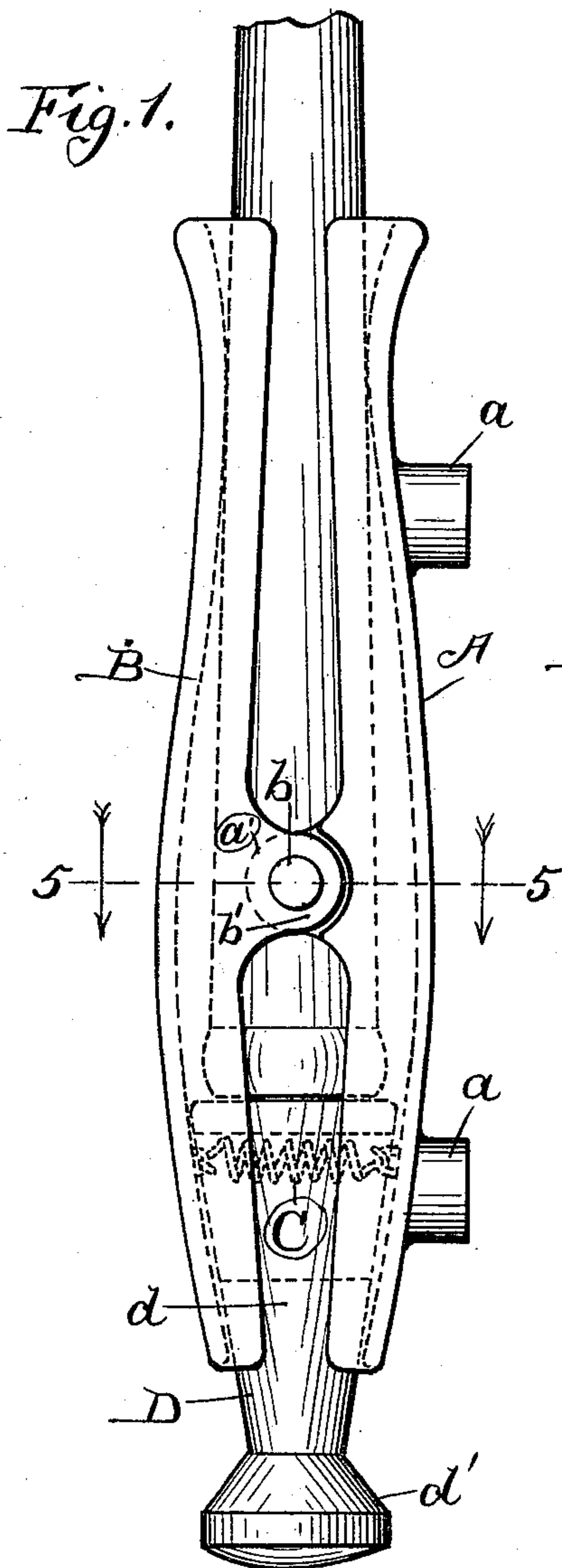


(No Model.)

J. S. KIEHL.
WHIP SOCKET.

No. 536,688.

Patented Apr. 2, 1895.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH SILAS KIEHL, OF CHICAGO, ILLINOIS.

WHIP-SOCKET.

SPECIFICATION forming part of Letters Patent No. 536,688, dated April 2, 1895.

Application filed September 10, 1894. Serial No. 522,654. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH SILAS KIEHL, a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Automatic Locking Whip-Sockets, of which the following, when taken in connection with the drawings accompanying and forming a part hereof, is a full and complete specification.

My invention relates to whip sockets designed to be attached to vehicles and to have contained therein devices whereby a whip contained in such whip socket can be locked so that it will not accidentally fall therefrom, and cannot readily be taken therefrom by a person in a passing vehicle or on the sidewalk.

The object of the invention is to obtain a whip socket into which a whip can be easily placed in the ordinary way, and by which, when a whip is so placed therein such whip shall be automatically locked, for the purposes above named.

A further object of the invention is to obtain a whip socket from which the whip contained therein can be readily taken by the person seated in the vehicle to which such whip socket is attached.

It is also the object of this invention to obtain a whip socket of the kind named which will be simple in construction, not liable to get out of order, and a whip socket which will be pleasing in appearance and design.

In the whip socket embodying this invention there is no key, or lever, or other device required to open or unlock the same, and there is no effort made to obtain a whip socket which cannot be easily operated by a person seated in the vehicle to which it is attached, or by a person standing on the ground by the side of such vehicle, provided such person reach over into the vehicle sufficiently far to operate the same; it being understood by me that the purpose to be effected by a whip socket of the character to which this whip socket pertains is, primarily, to prevent the taking of the whip contained therein therefrom by the driver of a passing vehicle, or by a person walking rapidly by the vehicle to which such whip socket is attached, and, secondly, to prevent the loss of a whip from its accidentally coming in con-

tact with some obstructing thing and being thereby drawn from the whip socket; or from being jarred therefrom.

In the drawings referred to as forming a part of this specification, Figure 1 is a side elevation of a whip socket embodying the invention, with a section of a whip contained and locked therein, and with the portion of the whip and locking device contained in the whip socket indicated by dotted lines; Fig. 2, a side elevation of the whip socket open and in position to receive a whip; Fig. 3, a top plan view of the whip socket with the several parts thereof in the position illustrated in Fig. 1; Fig. 4, a vertical sectional view of the whip socket, with the several parts thereof in the position illustrated in Fig. 2; Fig. 5, a horizontal sectional view on line 5 5 of Fig. 1, viewed in the direction indicated by the arrows; and Fig. 6 a side elevation of a wedge, consisting of an inverted cone, or frustum of a cone, with a handle at the bottom thereof, forming an element in the whip socket.

A is one of the leaves of the whip socket, and *a, a*, are lugs thereon by which such leaf is secured to a vehicle. B is the other of the leaves of the whip socket. *b, b*, are pins or rivets by which leaf B is pivotally secured to leaf A.

A whip socket consisting of leaves A, B, pivotally connected together by pins *b, b*, with leaf A having lugs *a, a*, thereon by which it can be secured to a vehicle, is old and well known in the art, and no claim for invention for the construction consisting of such leaves, pivotally connected, and one of such leaves having lugs thereon is claimed.

C is a spring yieldingly holding the leaves A, B, in the relative position illustrated in Figs. 2 and 4, *a'* being a lug on leaf A by means of which such spring is attached thereto, and *b'* being a corresponding lug on leaf B.

D is a wedge and consists of the body part *d* and handle *d'*. Body part *d* is the frustum of an inverted cone. *d²* is a slot through part *d* of wedge D. The spring C extends through the slot *d²* and such slot is of sufficient length to permit the wedge D to be slid up between the leaves A, B, from the position thereof illustrated in Fig. 1 to the posi-

tion illustrated in Figs. 2 and 4, without interfering with the spring.

Spring C tends to hold the leaves A, B, in contact, at the lower end of such leaves, with the wedge D, and hence, whatever position such wedge is in it will remain in such position, because of the contact and pressure of leaves A, B, thereon, until moved longitudinally by force applied either above or below.

10 The sides, (or surface) of the inverted frustum *d* in contact with the inner surface of the leaves A, B, are so constructed as to approach each other more rapidly than do corresponding sides of an ordinary whip handle; so that when a whip is contained in the whip socket and there held, as illustrated in Fig. 1, such wedge can be raised, as by the foot, and in the raising thereof unlock or un-

15 fasten the whip so that it can be taken from the whip socket. The whip having been taken from the whip socket the several parts thereof will remain in the position illustrated in Figs. 2 and 4. To replace and lock a whip in the socket it is simply necessary to place

20 such whip in the whip socket and force it well down, thereby forcing the wedge D down, and into the position or substantially so, illustrated in Fig. 1.

Having thus described the invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. In a whip socket consisting of leaves pivotally connected together; the combination of a spring yieldingly holding the upper half of the leaves retracted from each other, and a longitudinally movable wedge placed between the leaves and extending below them, such wedge being movable longitudinally by the end of a whip inserted in the whip socket and thereby automatically clamping the whip between the leaves; substantially as described.

2. In a whip socket consisting of leaves pivotally connected together, the combination of spring C holding the upper halves of the leaves yieldingly retracted, and a longitudinally movable wedge placed between the leaves and extending below them, such wedge having a slot therethrough through which the spring extends, and the wedge being movable longitudinally by the end of a whip inserted in the whip socket and thereby automatically clamping the whip between the leaves; substantially as described.

JOSEPH SILAS KIEHL.

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