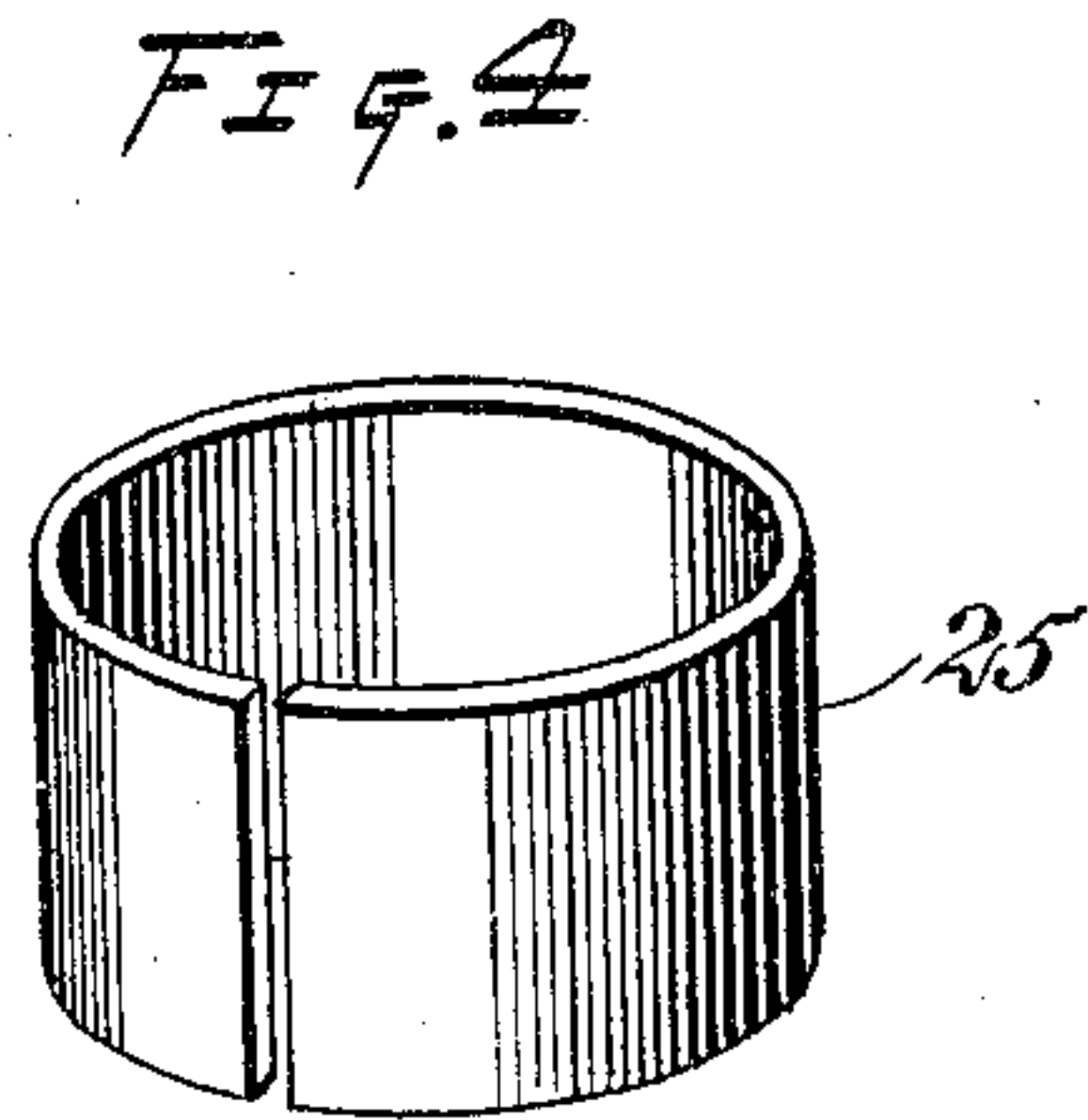
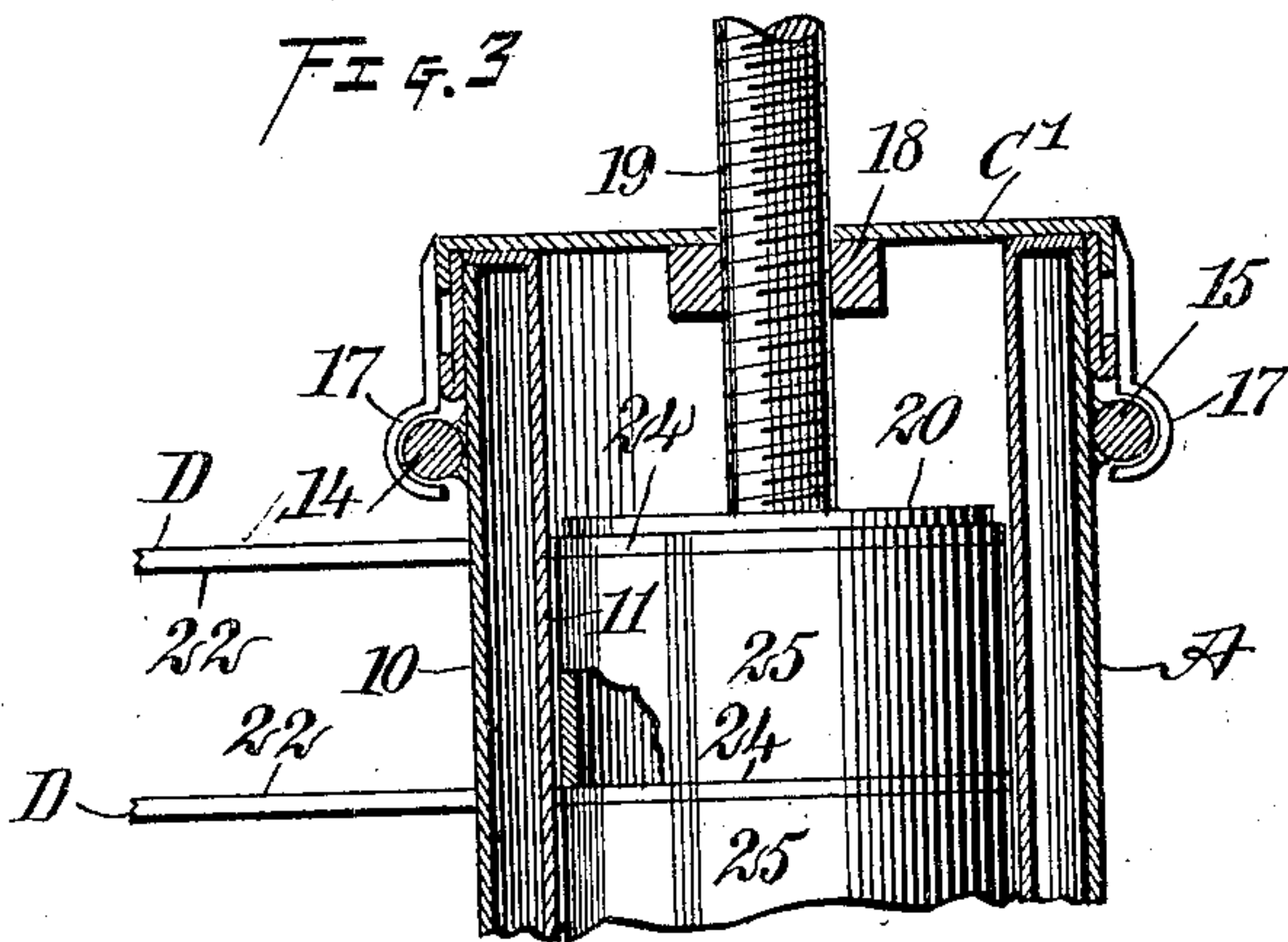
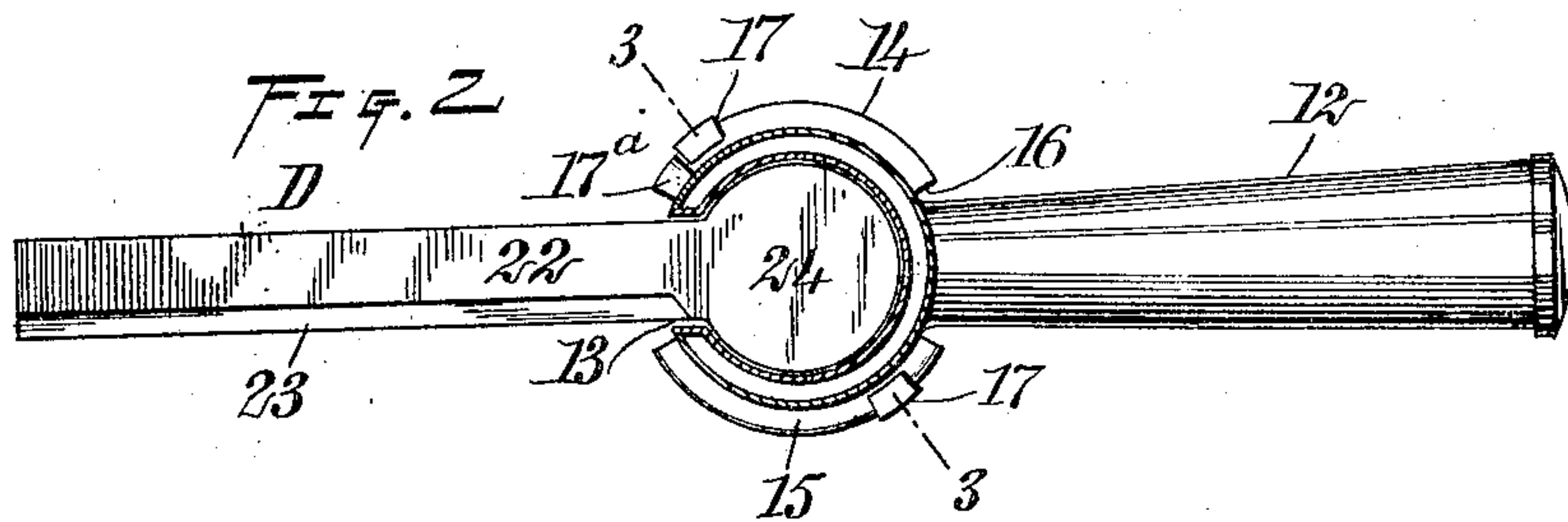
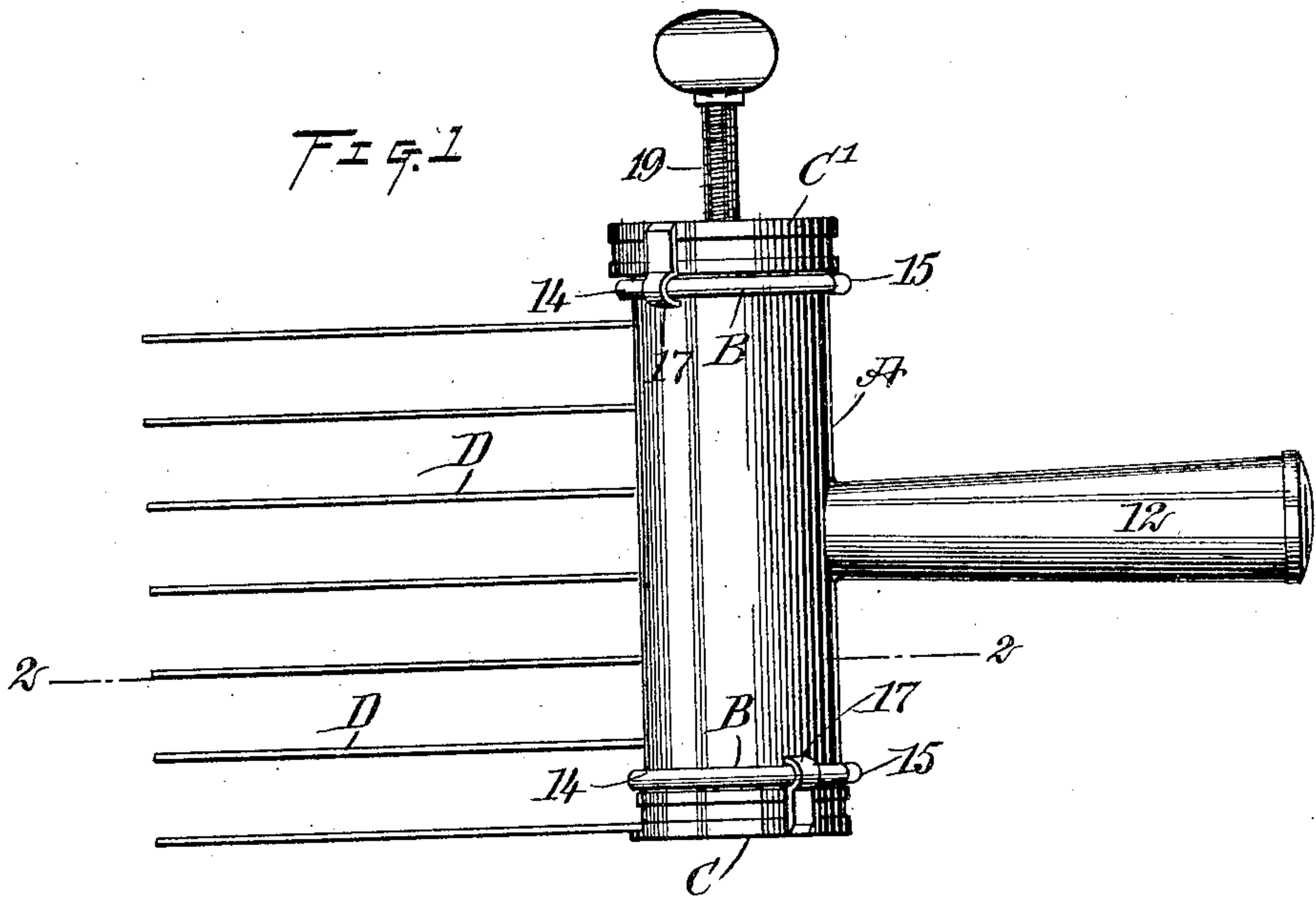


No. 797,857.

PATENTED AUG. 22, 1905.

C. A. KULENKAMPPF.
ICE CREAM CUTTER.
APPLICATION FILED JUNE 23, 1905.



WITNESSES:

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BY

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UNITED STATES PATENT OFFICE.

CARL A. KULENKAMPPF, OF NEW YORK, N. Y.

ICE-CREAM CUTTER.

No. 797,857.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Application filed June 23, 1905. Serial No. 266,562.

To all whom it may concern:

Be it known that I, CARL A. KULENKAMPPF, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Ice-Cream Cutter, of which the following is a full, clear, and exact description.

The purpose of my invention is to provide a device for cutting at one operation a block or brick of ice-cream in slabs or cakes of equal or of varying thickness and to so construct the device that the knives can be quickly and conveniently placed and adjusted in the body-section and secured in adjusted position and wherein the knives may be as expeditiously and readily removed and each and every part of the device rendered accessible for cleaning.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of the device. Fig. 2 is a section taken practically on the line 2 2 of Fig. 1. Fig. 3 is a section through a portion of the device, taken substantially on the line 3 3 of Fig. 2 and drawn upon an enlarged scale; and Fig. 4 is a perspective view of one of the spacing-rings.

A represents the body of the device, which is of cylindrical form and open at both ends, and preferably the said cylindrical body is provided with two walls 10 and 11, as is shown in Fig. 3, so as to render the same strong yet not heavy. The body is provided with a handle 12, which extends rearwardly from its central portion, and at the front of the body a longitudinal opening 13 is made directly in front of the handle, said opening extending through the body from end to end.

Adjacent to each end of the cylindrical body A a rib B is exteriorly secured thereto, and each rib B is in two sections 14 and 15. Each section extends from a side wall of the opening 13 in direction of the rear, and they terminate short of each other at the rear portion immediately back of the said opening 13, forming thereby rear spaces 16 between the said sections of the ribs. These ribs are preferably circular or semicircular in cross-section, ordinarily being made of a stout wire of suitable gage.

The ends of the cylindrical body A are closed by caps C and C', each cap being made to fit snugly over the ends of the body and to extend practically to the ribs B, as is best shown in Fig. 1. Each cap C and C' is provided with hook extensions 17, secured thereto, said hook extensions being diametrically opposite each other, and when a cap is on the body the hook extensions receive the ribs 14 and 15.

In placing a cap upon the body the hook extensions 17 are brought one opposite the forward opening 13 and the other opposite the rear opening 16, and then the hook extensions of the said caps will be opposite the ends of the sections of the ribs B, and by turning the caps until they are well entered on the sections of the ribs a locking connection is effected between the ribs and the body.

The caps are prevented from being turned all the way around by producing offsets 17^a on one of the sections of the ribs at the end adjacent to the front opening 13, and the projection on one rib is on one side of the said opening 13, while the projection on the other rib is at the opposite side of the said opening.

The cap C' is provided with a central opening, and a nut 18 is secured to the inner face of the cap at said opening to receive a thumb-screw 19, which thumb-screw at its inner end is secured to a follower 20 of such diameter that it may move freely in the cylinder A.

The knives D employed consist of blades 22 of any desired length, having their bottom edges 23 beveled or otherwise sharpened, and a head 24 is formed integral with the inner end of each blade 22, the said heads being of such diameter that they will quite snugly fit within the cylindrical body A when placed therein, at which time the blades 22 will extend out from the body through the aforesaid front opening 13.

In connection with the knives D series of spacing-rings are employed of any desired width, and these rings 25 are preferably split, as is shown in Fig. 4, so that when they are introduced into the cylindrical body A they will expand to a greater or lesser extent.

When the parts are to be assembled, the cap C' is removed, the cap C being placed in position, and the head of the first knife is then introduced into the cylindrical body and carried to an engagement with the inner face of the cap, as the cap C is provided with an opening in its flange which corresponds to the opening 13 in the body. A spacing-ring is then passed into the cylindrical body to an

engagement with the head of the knife just placed. A second spacing-ring is then made to engage with the second knife, and so on until the desired number of knives have been placed in position. When the last knife has been placed in position, the cap C' is placed on the cylindrical body A and the thumb-screw 19 is operated to cause the follower 20 to press tightly against the outer face of the last-placed head, thus holding all of the knives and the spacing-rings in the position in which they were adjusted.

It will be observed that all the parts, with the exception of the handle, may be separated one from the other, so that each and every part of the device is readily accessible for cleaning.

I desire it to be understood that by "cylinder" I mean a hollow body which may be given any desired shape in cross-section, the heads of the knives corresponding in shape to the cross-sectional shape of the body. I desire it to be further understood that but one cap may be made removable.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A device for cutting ice-cream, consisting of a cylindrical body having a longitudinal opening therein, a removable head, means for locking the head, knives having head-sections which are fitted in the said cylindrical body, the blades of the knives extending out through the opening in the body, spacing-rings located between the heads of the knives also within the body, and a clamping device for the assembled knives and rings.

2. As an improved article of manufacture, an ice-cream cutter consisting of a cylindrical body having a longitudinal opening in its forward side, extending through from end to end of the body and a handle at the rear, a removable cap located at each end of the body, rib-

keepers exteriorly located on the body, and hook-latches carried by the heads for engagement with the said keepers, knives comprising blades and a circular head, the said heads of the knives being placed in the said body, said blades extending out through the forward opening in the body, spacing-rings located within the body between the heads and the knives, a screw passed through one head, and a follower carried by the screw, which when the said head is in position on the body will engage with the knife-head and a spacing-ring.

3. In a device for cutting ice-cream, the combination with a cylindrical body provided with a longitudinal opening at its forward portion extending through from end to end and a handle at the rear, and rib-keepers secured to the exterior of the body adjacent to its ends, the said rib-keepers being in two sections spaced apart at the rear and extending to the said forward opening in the body, of heads adapted to slide over the end portions of the body, hook-latches carried by the said heads for engagement with the said keepers, knives comprising blades and circular heads, said heads being adapted to be fitted in the body, the blades extending out through the opening therein, split spacing-rings located within the said body between the heads of the knives, a thumb-screw mounted to turn in one of the said heads, and a follower carried by the thumb-screw, adapted when said head is in position on the body to engage with an opposing knife-head or spacing-ring.

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

CARL A. KULENKAMPFF.

Witnesses:

J. FRED. ACKER,
JNO. M. RITTER.