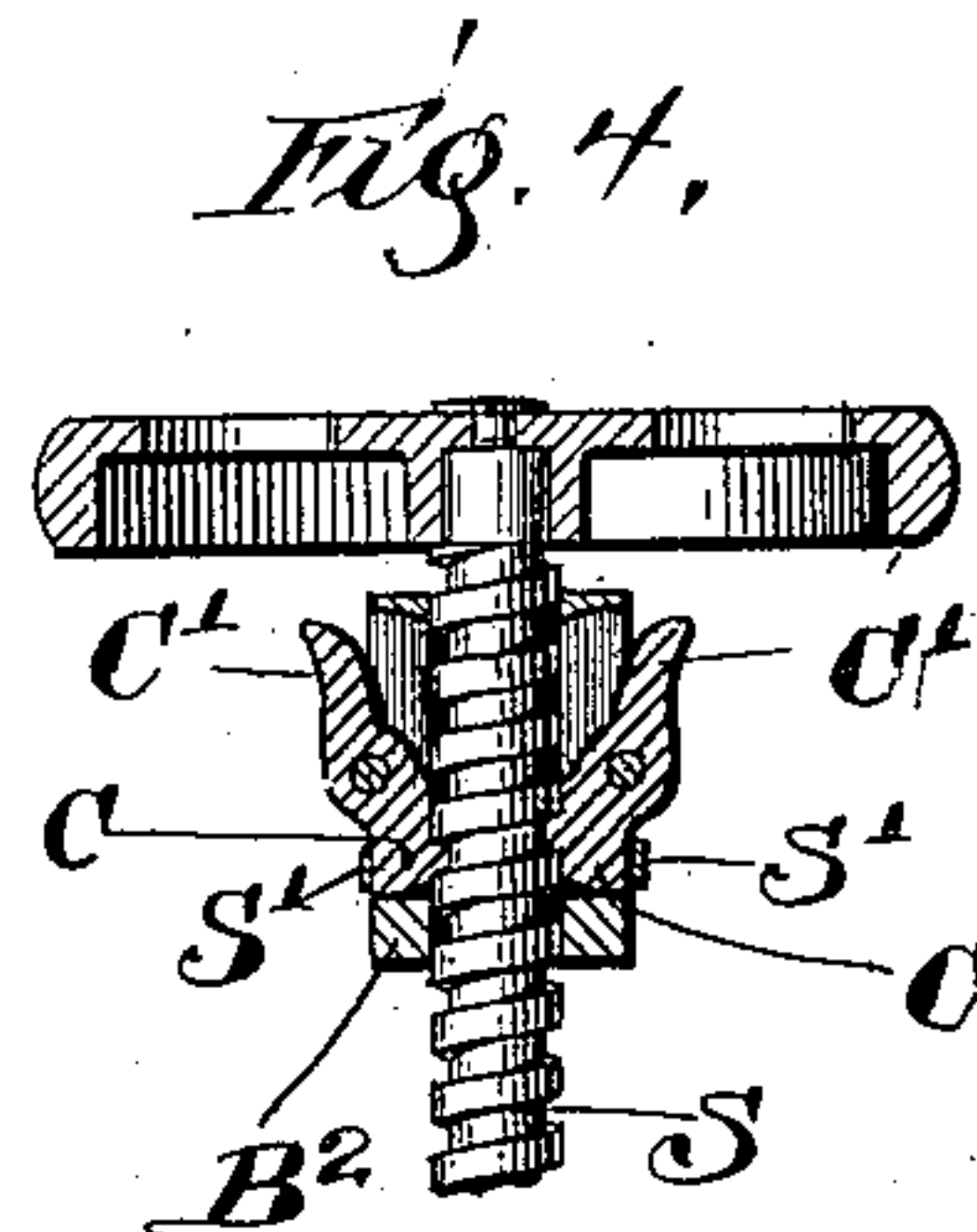
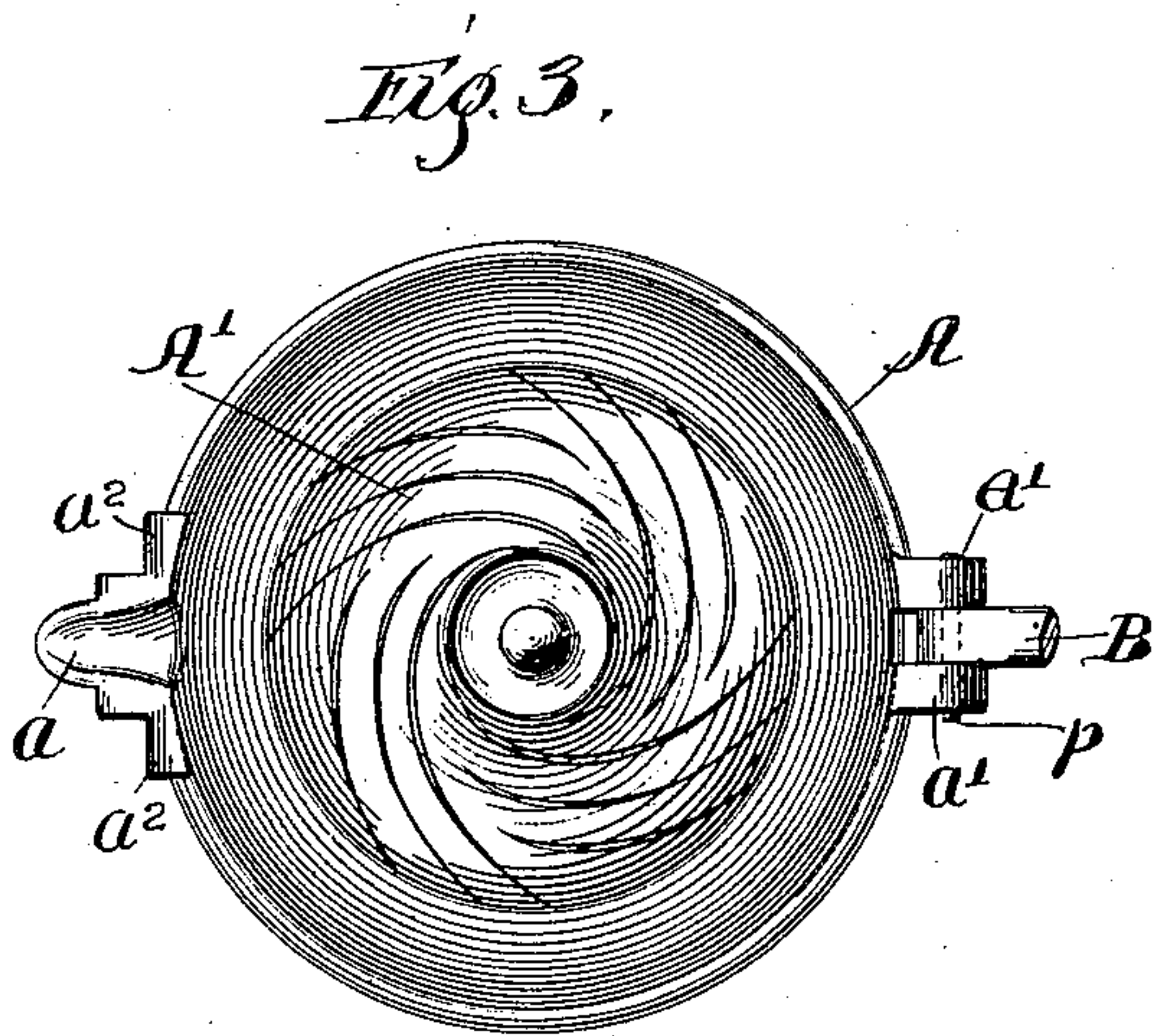
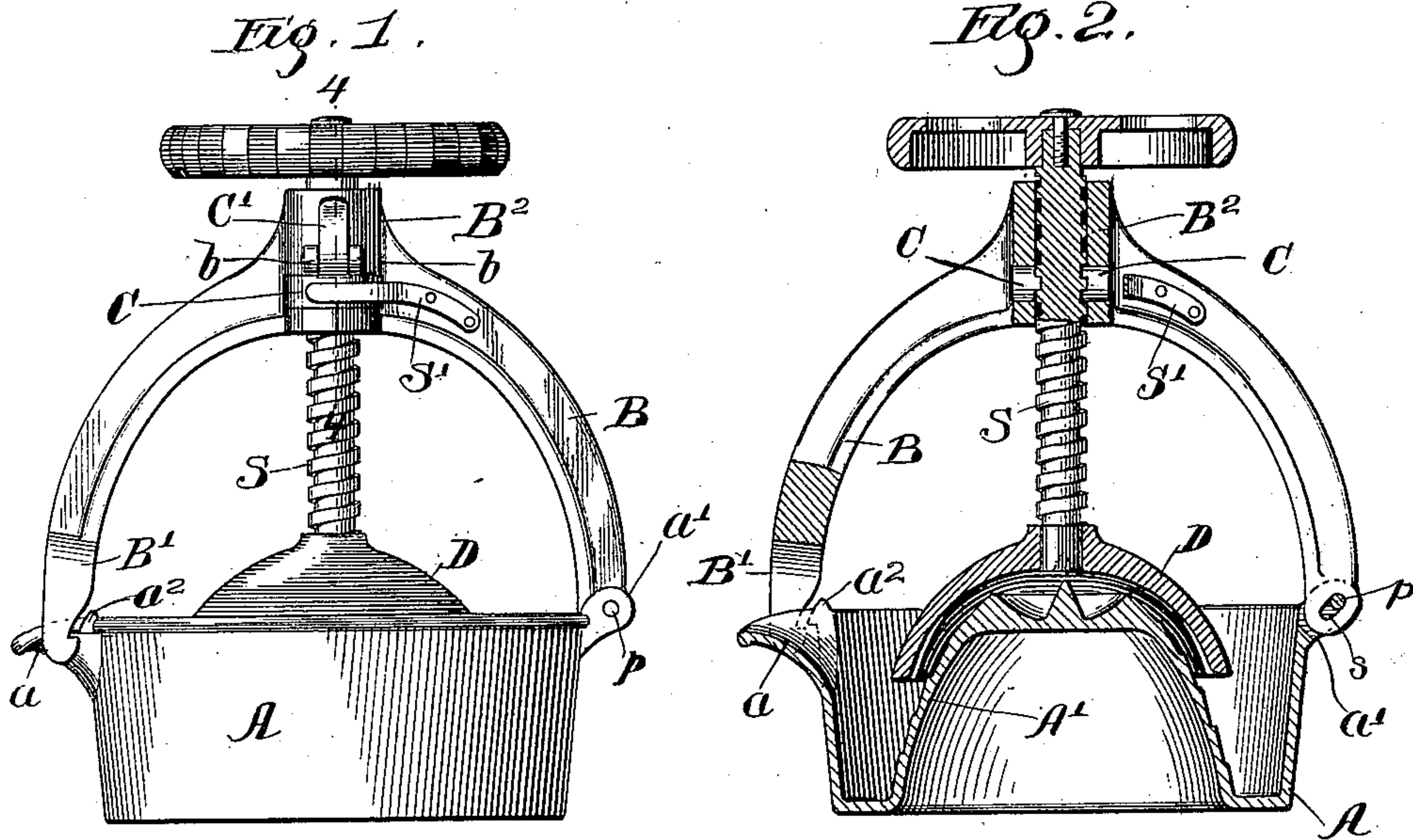


(No Model.)

C. MORGAN.
LEMON SQUEEZER.

No. 602,088.

Patented Apr. 12, 1898.



Witnesses:

Chas. O. Shurway.
A. H. Nelson

Inventor:

Charles Morgan
By Niles Murray Britton
Hoskings

UNITED STATES PATENT OFFICE.

CHARLES MORGAN, OF FREEPORT, ILLINOIS.

LEMON-SQUEEZER.

SPECIFICATION forming part of Letters Patent No. 602,088, dated April 12, 1898.

Application filed August 20, 1897. Serial No. 648,913. (No model.)

To all whom it may concern:

Be it known that I, CHARLES MORGAN, a citizen of the United States of America, residing at Freeport, in the county of Stephenson and State of Illinois, have invented certain new and useful Improvements in Lemon-Squeezers, of which the following is a specification.

My invention relates to improvements in lemon-squeezers, and more particularly to improvements in squeezers of the class in which the base or bowl is adapted to be held in the hand in use instead of being fastened to a table or other stationary support.

The invention is fully described and explained in this specification, and shown in the accompanying drawings, in which—

Figure 1 is a side elevation of a lemon-squeezer embodying my improvements. Fig. 2 is a central vertical section thereof. Fig. 3 is a top plan of the base or bowl with the internal cone formed thereon, the swinging bail and screw-plunger being omitted; and Fig. 4 is a transverse vertical section through the line 4 4, Fig. 1, showing the construction of the split nut which engages the screw of the plunger.

In the views, A is a base or bowl, preferably circular and tapering slightly inward from its upper margin, and A' is an externally-corrugated hollow cone formed in the base of the bowl, the cone being surrounded by an annular trough. The bowl has at one point in its upper margin a small spout *a* for pouring out any liquid contents of the annular trough and at the opposite point in its margin two outwardly-projecting ears *a'*, transversely perforated to receive a pivot *p*, passing through the ears *a'* and through a slot *s* in one end of a swinging arched bail B. The opposite end of the bail is bifurcated to form two fingers B' B', formed on their inner edges with hooks adapted to engage corresponding undercut lips *a*², formed on the margin of the bowl at opposite sides of the spout *a*. The slot *s* is inclined inward and downward from its outer end and is so placed and proportioned that when the pivot *p* is in its outer end the hooks of the fingers B' may pass freely up or down outside the lips *a*²; but when the pivot *p* is in the inner end of the slot *s* the hooks of the fingers B' are drawn

under the lips *a*², thereby holding the bail against upward movement. The object of this construction is to permit the bail to be swung upward when desired, but at the same time to provide for locking it against upward movement when any upward pressure against the center of the bail pushes it bodily upward, and thereby brings the inner end of the slot *s* into engagement with the pivot *p*.

At the center of the bail is a vertical hub B², forming the support of a vertically-moving screw S, having at its upper end a hand wheel or crank for its rotation and at its lower end a shell D, preferably roughened on its inner face and adapted to inclose the upper portion of the cone A'. The hub B² may be internally screw-threaded to engage a screw S, but I prefer to make it a smooth cylinder internally and to mount upon it two halves C C of a split nut adapted to engage the screw, each half of the nut being provided with a lever C', pivoted in ears *b b*, formed on the hub. The two halves of the nut may be held normally in engagement with the screw S by means of springs S', arranged in any suitable manner, and they may be disengaged from the screw by pressing inward the free ends of the levers C'. The purpose of the split nut is to permit upward or downward movement of the screw S and shell D, except at the moment when it is necessary to apply considerable downward force to the shell in the actual squeezing of the lemon.

In use, the shell D being raised completely away from the cone A' and the bail being thus free from upward pressure, the parts will assume the relations shown in Fig. 2, the hooks on the fingers B' being wholly free from the lips *a*² on the bowl. The free end of the bail is then swung upward, so that a half-lemon may be placed on the cone A', and the bail is then swung downward to the position shown in Fig. 2. The shell D is then depressed either by rotating the screw or by separating the parts of the split nut and pushing it downward until the shell rests upon the lemon, when the rotation of the screw not only presses the lemon down around the cone A', but rotates it at the same time, thereby completely expressing the juice, which runs into the annular trough around the cone. The entire device may then be lifted and inclined,

the bail B serving as a handle, and the contents may be readily poured out at the spout *a*. By the reverse rotation of the screw the shell may be lifted from the lemon, whereupon
5 the bail may be swung again upward for the removal of the lemon and the cleansing of the bowl and cone.

The entire device is evidently simple and inexpensive, and its size is such as to make
10 it light enough to be held conveniently in one hand of the operator while the screw is turned with the other hand.

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

15 1. In a lemon-squeezer, the combination with a bowl and an internal cone formed thereon, of a bail hinged at one end to the bowl by means of a pivot in one part, passing through a slot in the other part, a screw supported in the bail and a shell mounted on the
20 end of the screw and adapted to be forced toward the cone, the free end of the bail and the corresponding point on the bowl being formed with coacting parts adapted to interlock, when the pivot of the bail and bowl is
25 in one position in its slot, but to be free from each other when the pivot is in a different position, substantially as described.

2. The combination with the bowl having
30 the internal cone and formed with ears *a'*, and lips, *a*², of the bail, B, having the inclined slot, *s*, and hooks adapted to engage the lips, *a*², the pivot, *p*, passing through the ears, *a'*, and slot, *s*, the screw, *S*, mounted in the bail
35 and the shell, *D*, mounted on the screw; substantially as described.

3. In a lemon-squeezer, or analogous device, the combination with a suitable bowl and vertically-reciprocating plunger, of a bail or bridge in which said plunger is mounted
40 said bridge being adapted to hook to the bowl upon one side by lateral movement with respect thereto and being pivotally connected to the bowl upon the opposite side so as to be capable of oscillation thereupon and also of
45 lateral movement with respect thereto, whereby by moving said bail laterally with respect to the bowl, its free end may be engaged therewith or disengaged therefrom as desired; substantially as described. 50

4. In a lemon-squeezer or analogous device the combination with a suitable base or bowl and a plunger adapted to compress the lemon or other article between it and the base or bowl, of a bail or bridge supporting the plunger, said bail or plunger having upon one end
55 a hook adapted to engage the base or bowl by lateral movement with respect thereto and being pivoted to the base or bowl at the opposite side by means of a pivot and slot, one portion of said slot being nearer to the hook
60 when in engagement with the bowl than remaining portions; substantially as described.

In witness whereof I have hereunto set my hand, at Freeport, in the county of Stephen-
65 son and State of Illinois, this 16th day of August, A. D. 1897.

CHARLES MORGAN.

Witnesses:

HENRY TSCHERNING,
BERTHOLD HERBIG.