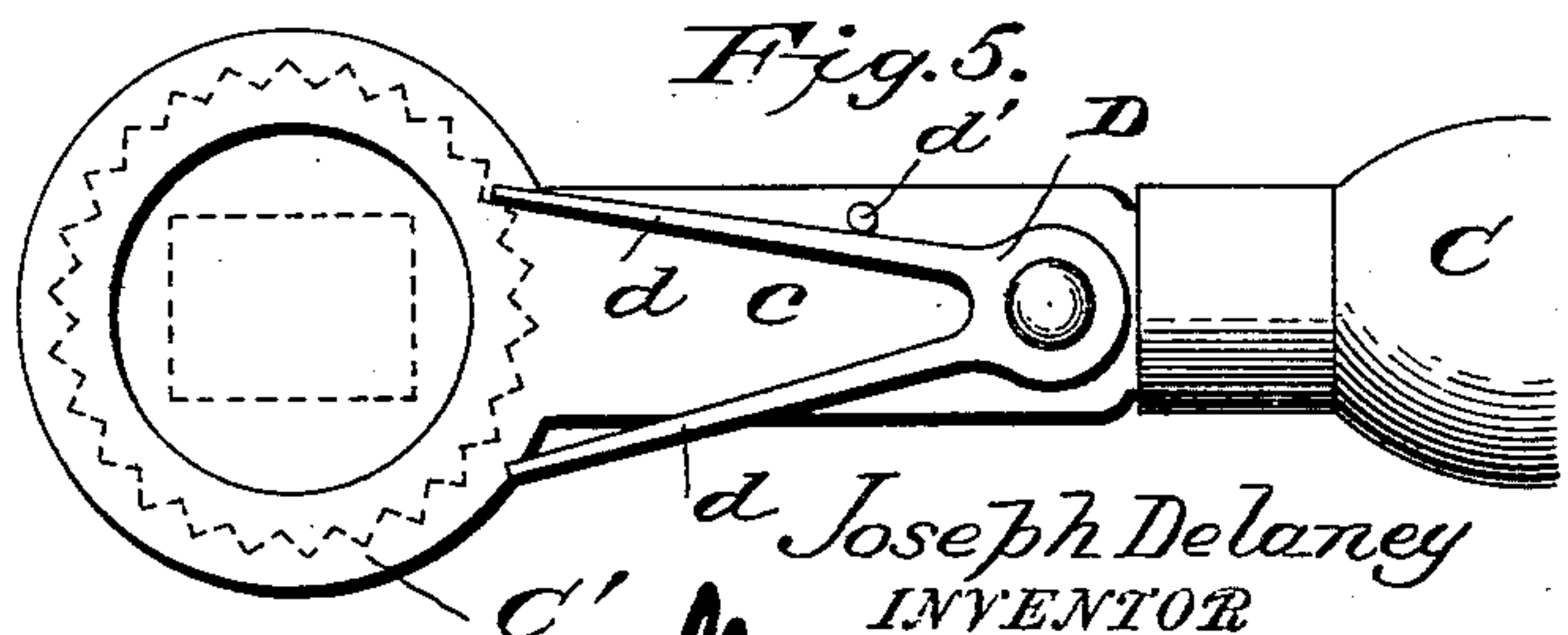
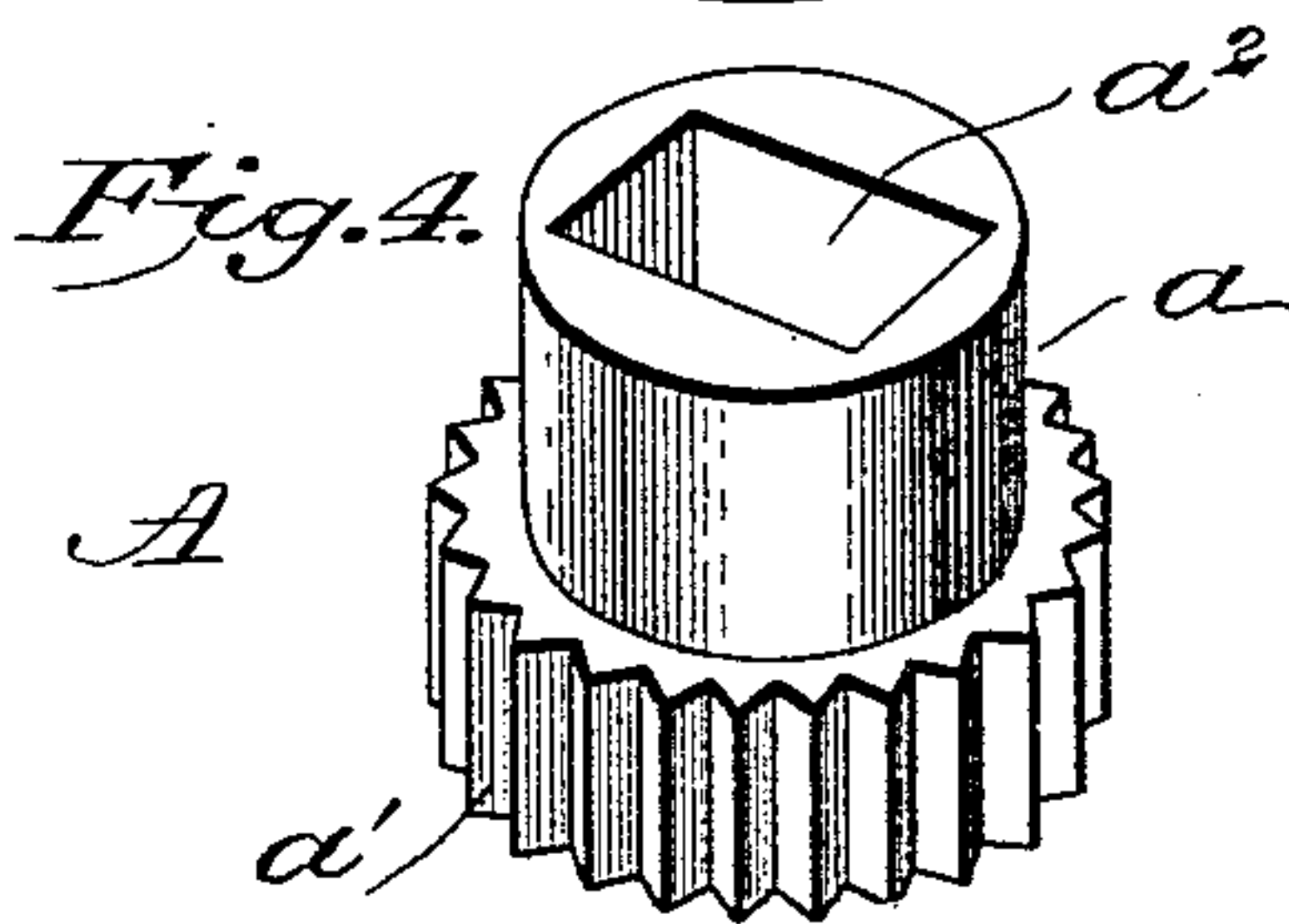
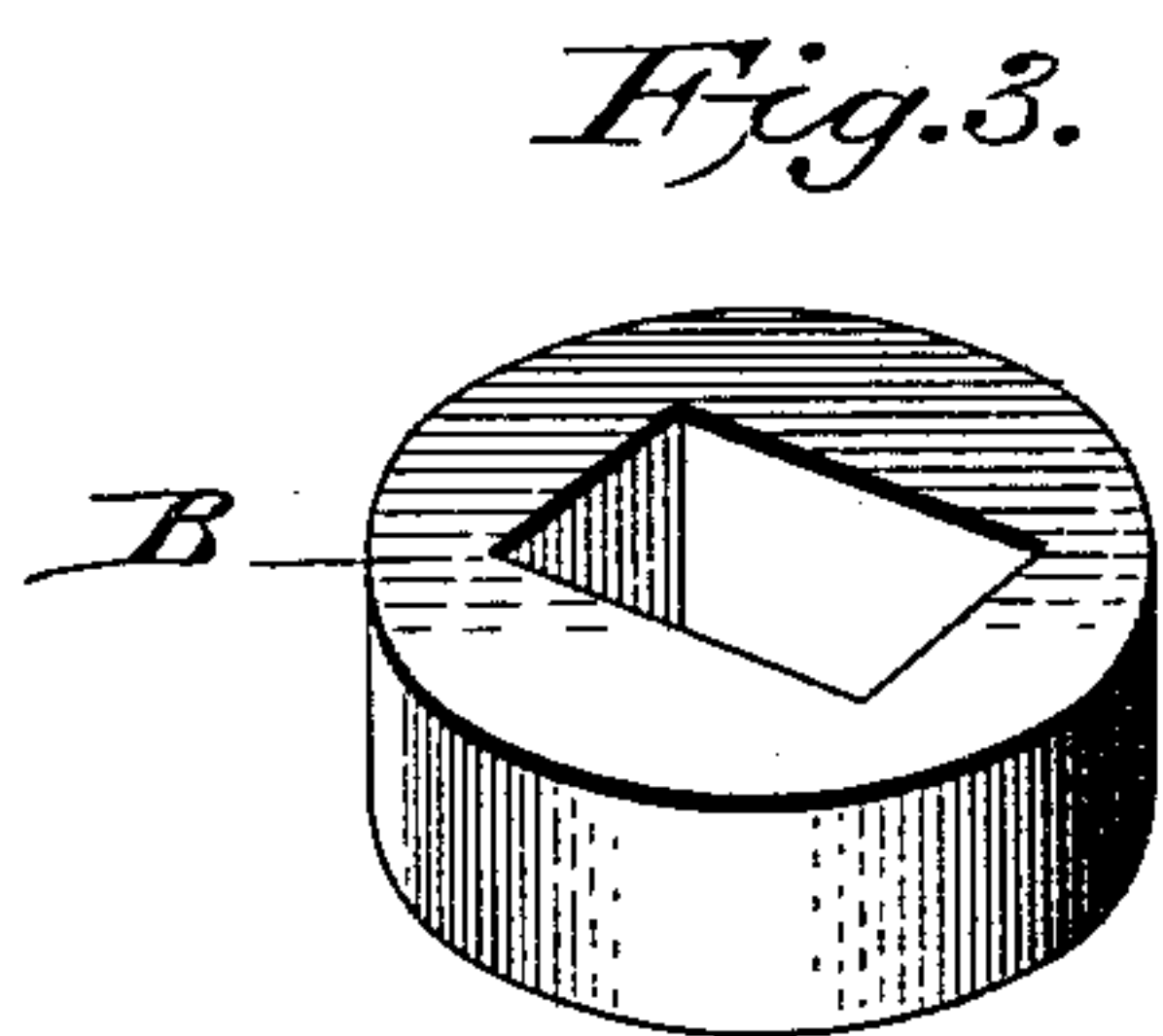
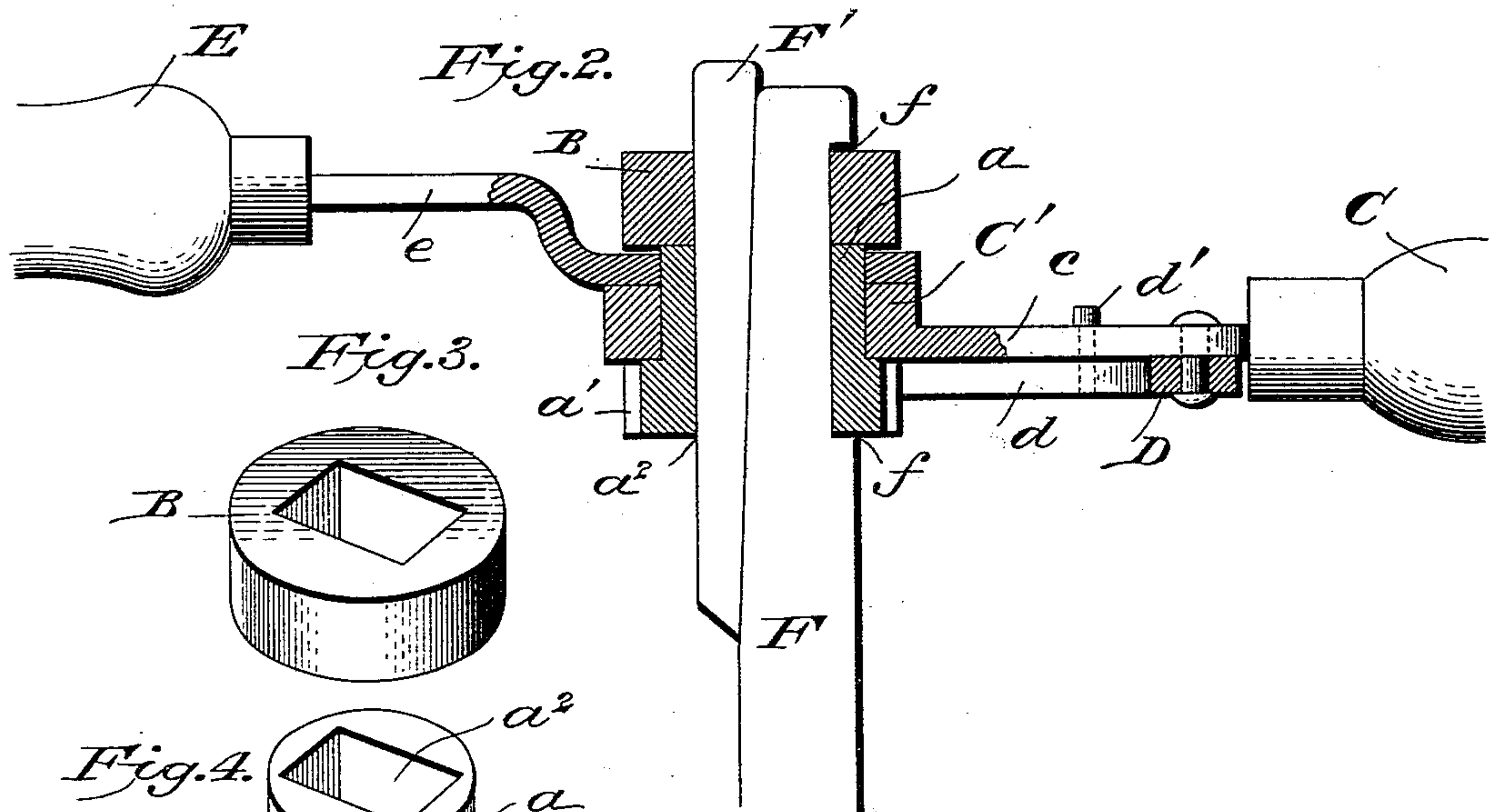
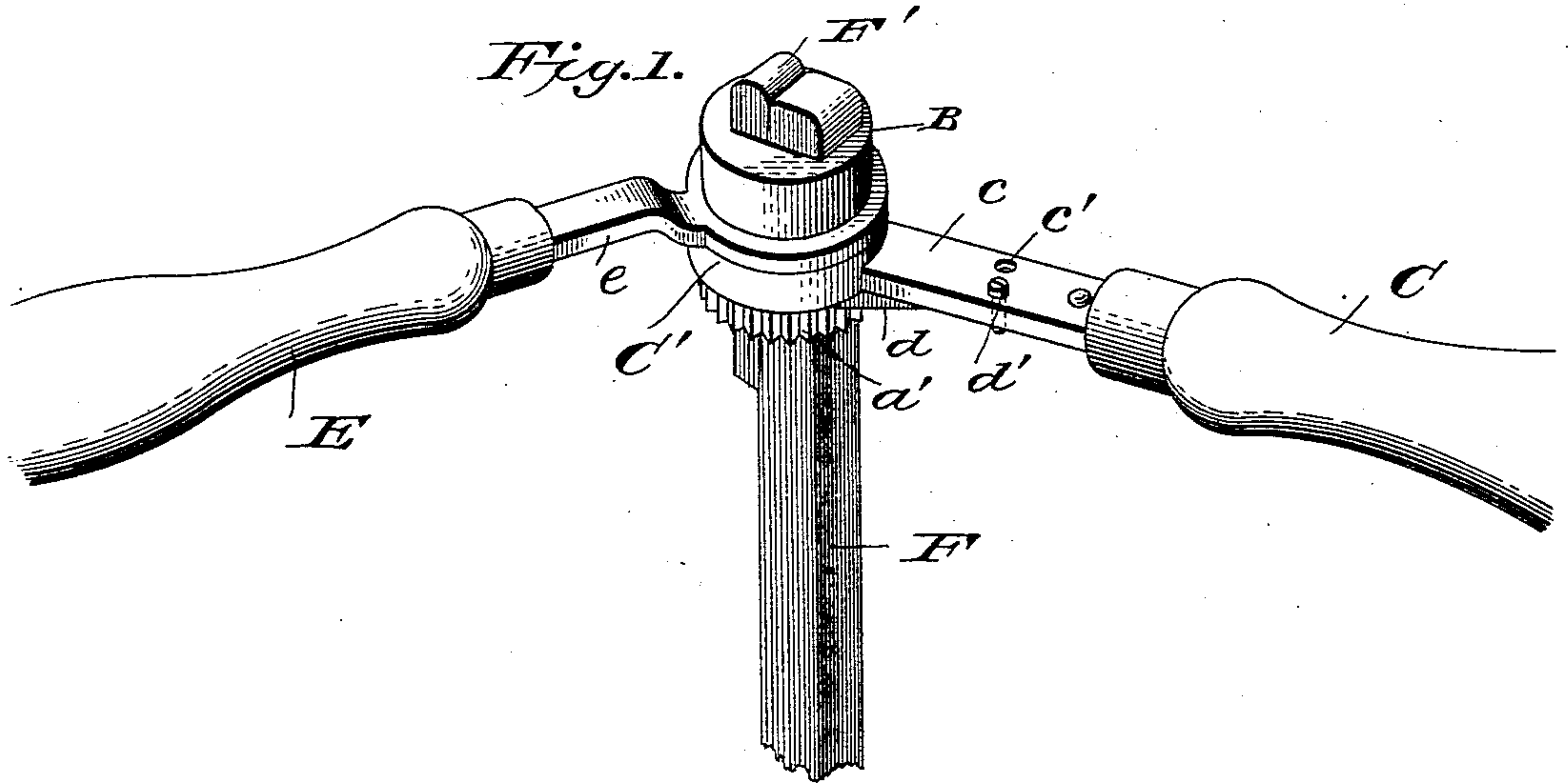


(No Model.)

J. DELANEY.
RATCHET AUGER HANDLE.

No. 560,122.

Patented May 12, 1896.



WITNESSES
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JOSEPH DELANEY, OF ASHLAND, PENNSYLVANIA.

RATCHET AUGER-HANDLE.

SPECIFICATION forming part of Letters Patent No. 560,122, dated May 12, 1896.

Application filed December 28, 1895. Serial No. 573,604. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH DELANEY, a citizen of the United States of America, residing at Ashland, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Ratchet Auger-Handles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a ratchet auger-handle which is simple in construction, and in which the parts are held in engagement with each other by the means employed for attaching the auger to the handle.

With the above end in view the invention consists in providing the shank of the auger with a recess in which rest the sockets or parts of the ratchet mechanism to which the handles are connected, one of the handles carrying a pawl having spring members adapted to engage a ratchet-wheel formed on one of the sockets, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of my improved ratchet auger-handle. Fig. 2 is a vertical sectional view. Figs. 3 and 4 are detail perspective views of the sockets; and Fig. 5 is a plan view of the under side of the handle which carries the pawl, the socket having the ratchet-wheel being shown in dotted lines.

A designates a socket which is provided at one end with a cylindrical portion a and at the other end with a ratchet-wheel a' of larger diameter, the socket having centrally a longitudinal rectangular aperture or opening a^2 , through which the shank of the auger is passed, as well as the wedge which holds the parts together, as hereinafter described.

B designates a supplemental socket which is cylindrical and of slightly larger diameter than the cylindrical portion of the socket A, so that when these parts are placed end to end, as shown in Fig. 2, an annular recess will be presented, for the purpose hereinafter

set forth. The socket B is provided with a rectangular opening which registers with the opening a^2 in the socket A.

C designates a handle having attached thereto a shank c , at the outer end of which is formed a ring C' , which is preferably of greater thickness than the shank, and the opening in this ring is of the same diameter as the cylindrical portion a of the socket, so that when placed thereon the ring will bear upon the annular shoulder formed by the ratchet-wheel a' . To the under side of the shank c is pivoted a pawl D, having spring members d d , which are adapted to engage the teeth of the ratchet-wheel when the ring is placed upon the socket A, as hereinbefore mentioned. The shank c is provided with apertures c' , adjoining the spring members d of the pawl, which are adapted to receive a pin d' , and when this pin is in engagement with one of the apertures it places one of the members of the pawl in engagement with the ratchet-wheel and throws the other member out of such engagement.

E designates a handle which is provided with a shank e , having a ring at its outer end with an opening corresponding with the opening in the ring C' , so that this ring may be placed over the cylindrical portion a of the socket A and rest upon the ring C' . The handle E and ring attached thereto are used for guiding the auger.

The shank F is tapered or beveled on one side toward its end, and the opposite side is provided with a recess of sufficient length to receive the sockets A and B, said recess forming shoulders f f , against which the sockets bear. The part of the shank F that engages the sockets is of less width than the openings therein, so that a wedge F' can be driven into the sockets to hold the parts firmly together.

In assembling the parts the socket A is placed over the end of the shank of the auger, so as to engage the lower shoulder f thereof. The rings of the handles C and E are then placed over the cylindrical portion of the socket and the supplemental socket placed over the end of the shank to engage the upper shoulder f , after which the wedge F' is driven into the space between the shank and sides of the openings in the sockets and holds the parts securely together. It will be noted

that when the parts are assembled, as here-
 inbefore described, an annular recess is pro-
 vided by the sockets A and B the rings of
 the handles C and E being held in said recess
 5 and allowed to turn therein, and by properly
 adjusting the pin d' either one of the spring
 members of the pawl D can be caused to en-
 gage the ratchet-wheel, thus providing for
 the turning of the auger in either direction.
 10 The shank of the handle E is preferably given
 a double bend, as shown, so that the handles
 C and E can be brought substantially one
 above the other when desired.

From the foregoing description the opera-
 15 tion of the device will be apparent.

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

1. The combination with the shank of an
 20 auger having a recess, of the sockets A and
 B which receive the shank of the auger and
 provide an annular recess, one of the sockets
 carrying a ratchet-wheel; together with han-
 dles having rings which engage the annular
 25 recess; a pawl attached to one of the handles
 and in engagement with the ratchet-wheel;
 and means for rigidly connecting the auger
 to the sockets, substantially as shown and for
 the purpose set forth.

30 2. The combination with the sockets A and

B rigidly connected to the auger and provid-
 ing an annular recess, substantially as shown,
 of the handles C and E having rings in en-
 gagement with the annular recess, a pawl D
 35 pivoted to one of the handles and presenting
 spring members d d' , and a pin d' adapted to
 engage apertures c' c' in the handle to throw
 either one of the spring members in engage-
 ment with a ratchet-wheel formed on one of
 the sockets, for the purpose set forth. 40

3. The combination with the shank of an
 auger beveled or tapered on one side and hav-
 ing a recess to provide shoulders, as f f , of the
 sockets A and B presenting an annular recess
 45 and having central rectangular openings
 which receive the shank of the auger, one of
 the sockets being provided with a ratchet-
 wheel, and a wedge or locking-key for holding
 the parts together, substantially as shown;
 together with a guide-handle and a handle car- 50
 rying a pawl in engagement with the ratchet-
 wheel, the handles having rings in engage-
 ment with the annular recess formed by the
 sockets.

In testimony whereof I affix my signature 55
 in presence of two witnesses.

JOSEPH DELANEY.

Witnesses:

WILLIAM LEVY,

C. F. RUSSELL.