

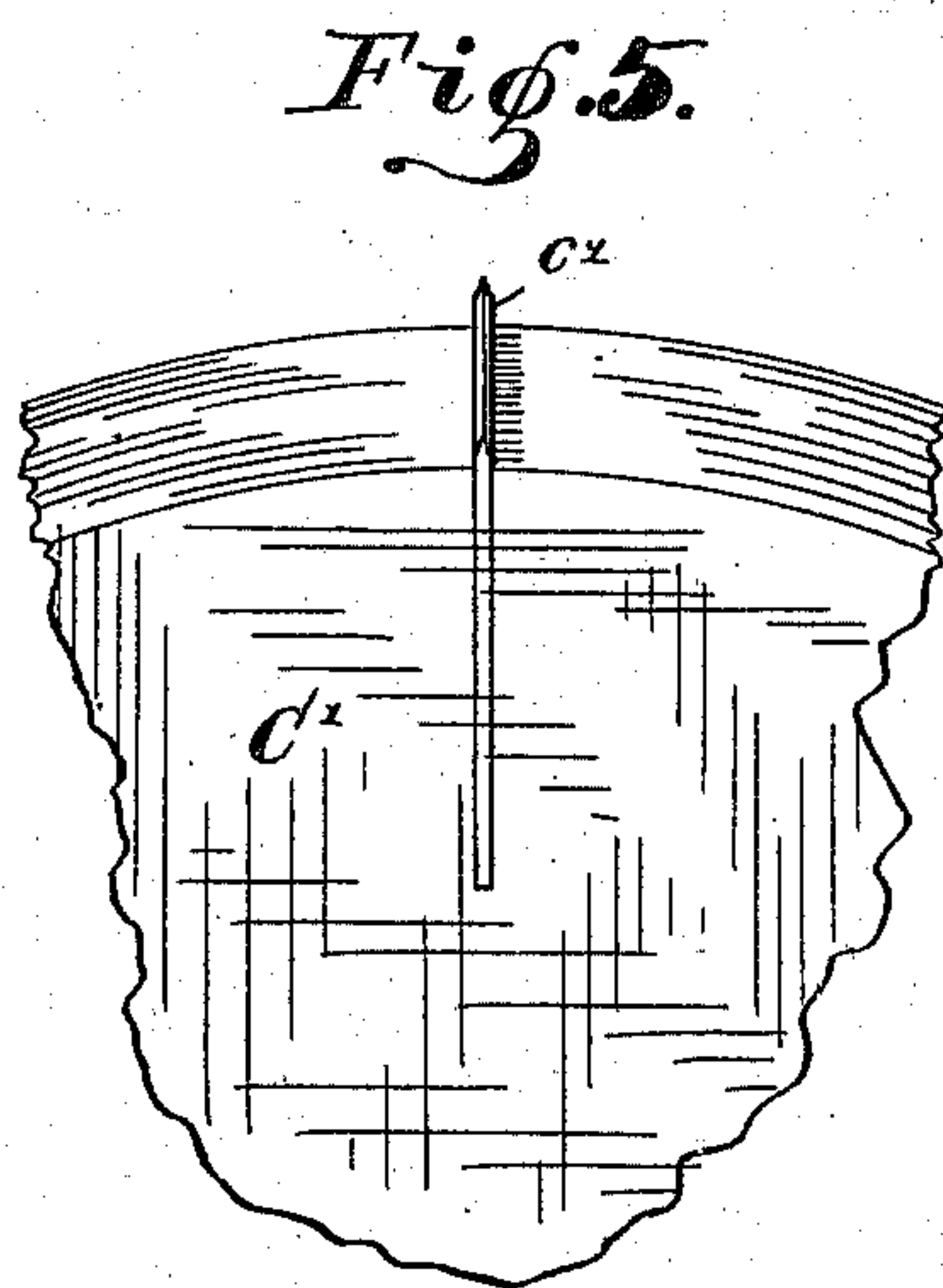
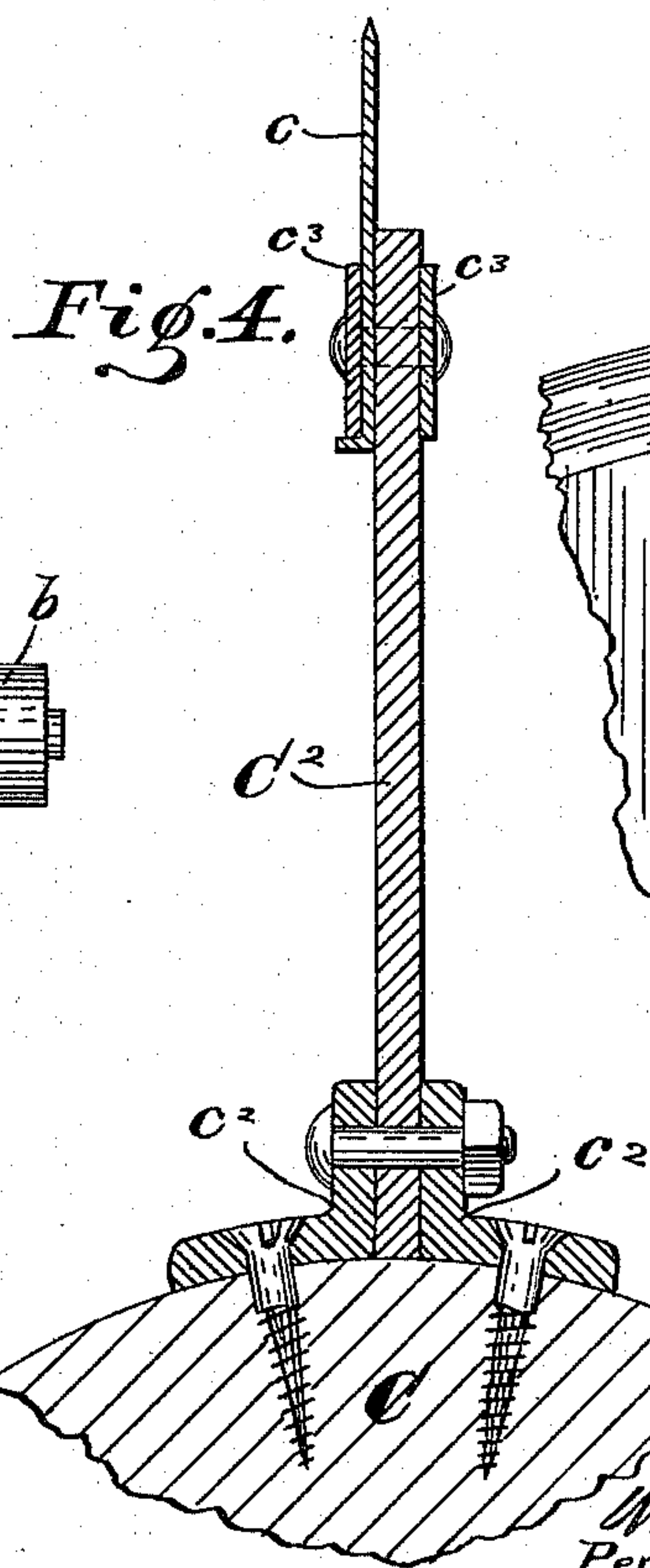
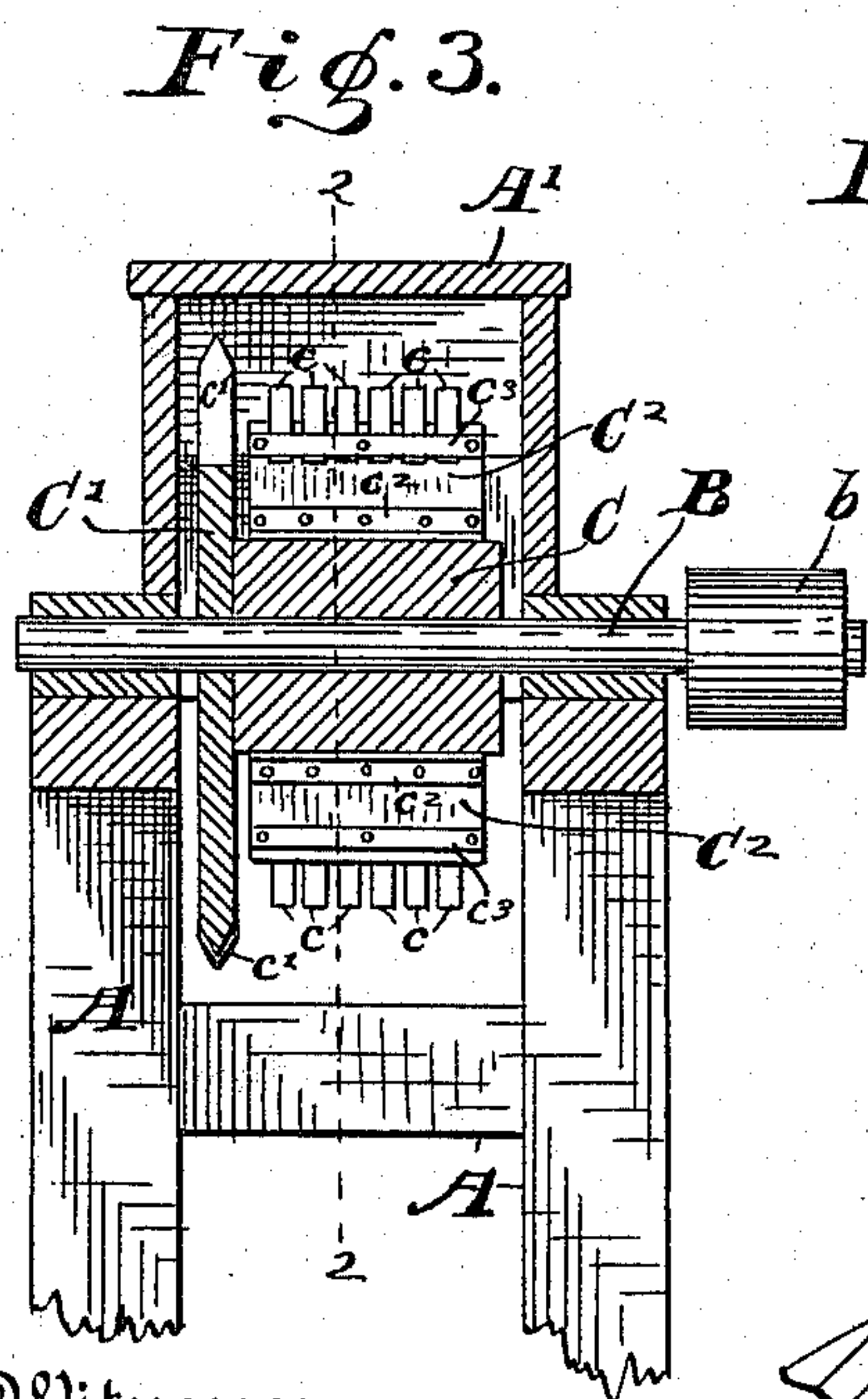
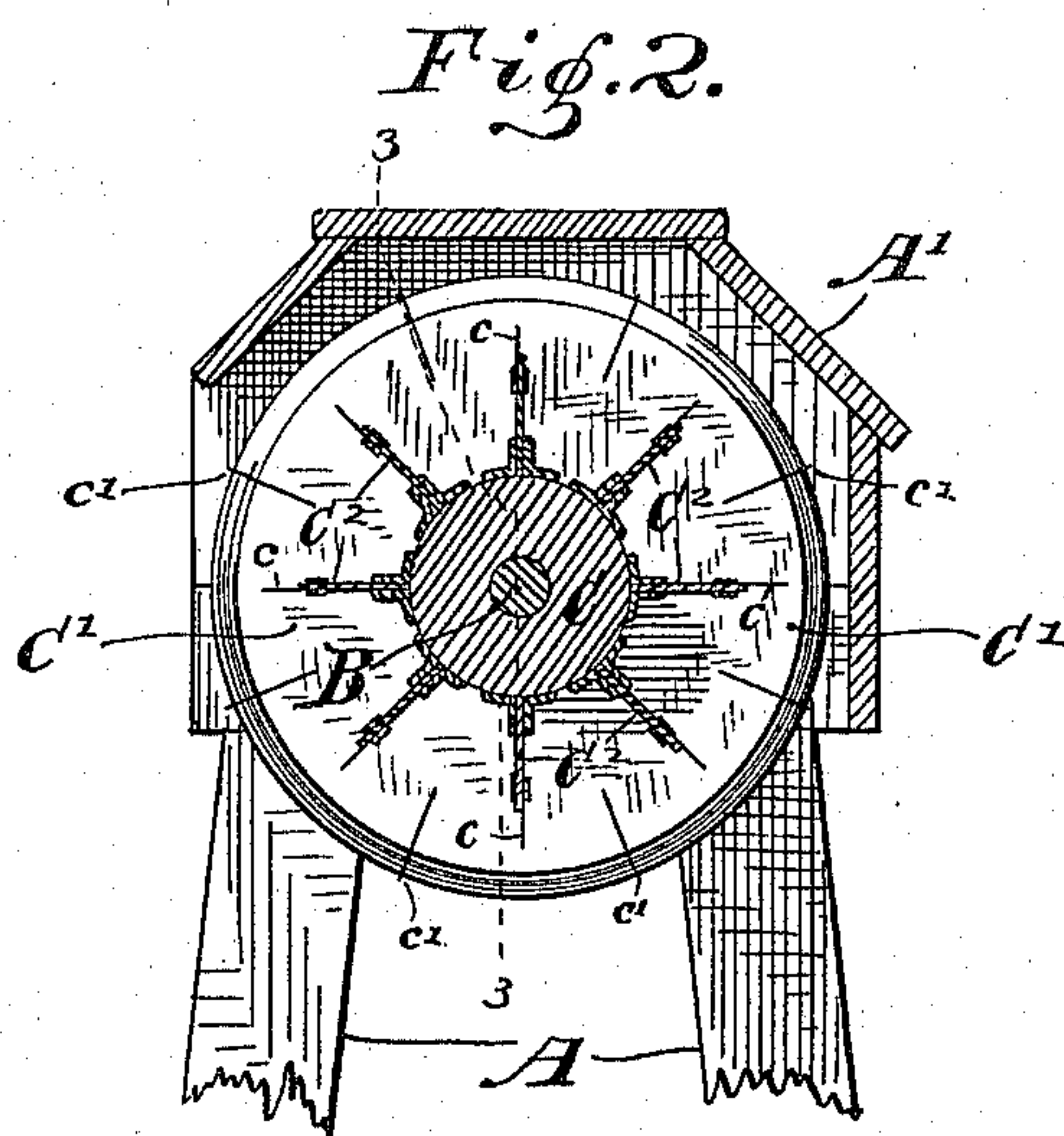
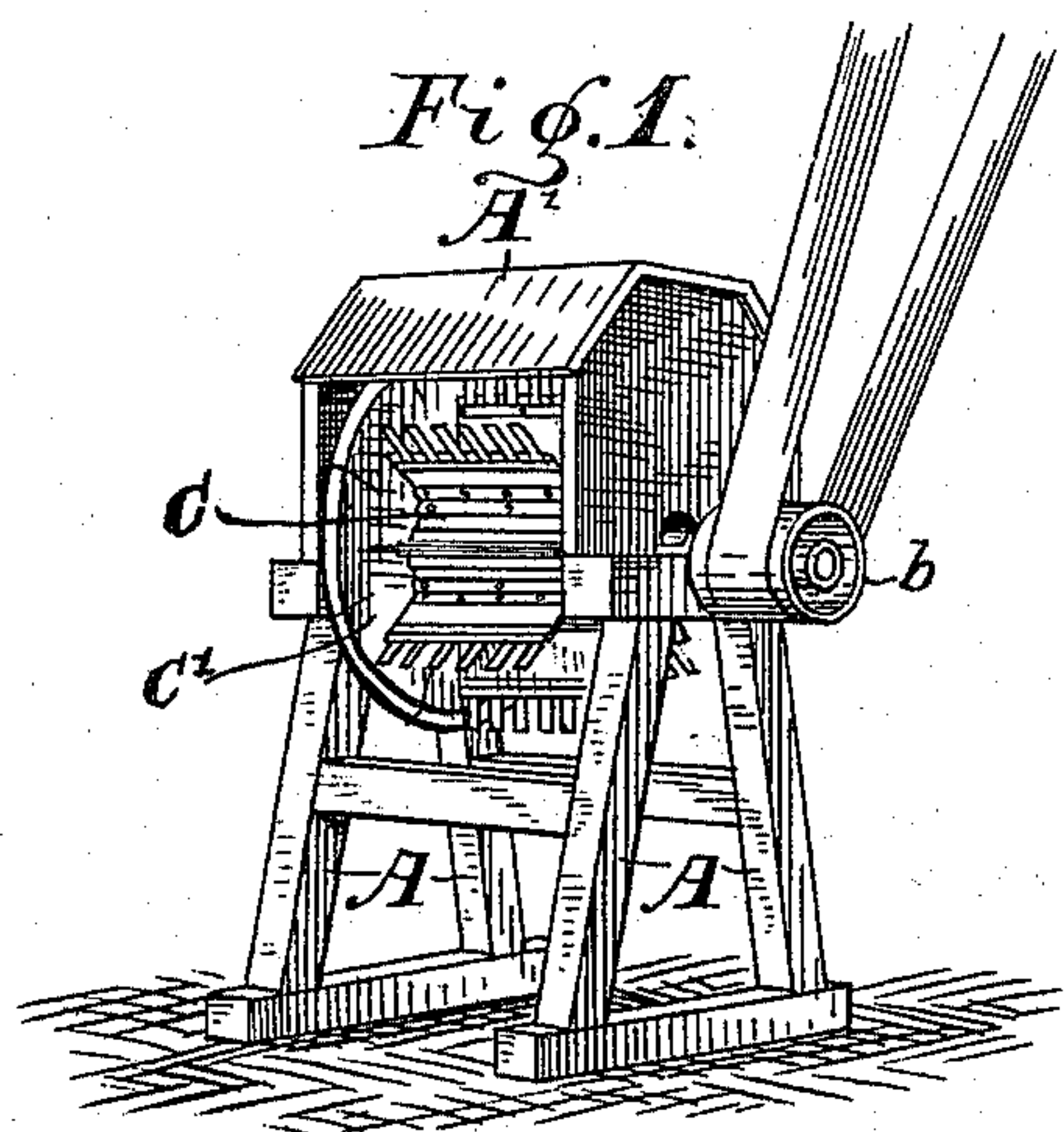
(No Model.)

W. ARCHDEACON.

MACHINE FOR CLEANING PIGS' FEET.

No. 385,336.

Patented July 3, 1888.



Witnesses.

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# UNITED STATES PATENT OFFICE.

WILLIAM ARCHDEACON, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO MARY T. ARCHDEACON, OF SAME PLACE.

## MACHINE FOR CLEANING PIGS' FEET.

SPECIFICATION forming part of Letters Patent No. 385,336, dated July 3, 1888.

Application filed February 7, 1888. Serial No. 263,269. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM ARCHDEACON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Machines for Cleaning Pigs' Feet, of which the following is a specification.

The object of my said invention is to provide a machine for cleaning pigs' feet, by the use of which such articles may be rapidly and efficiently cleaned and prepared for the market, and also a great saving of labor effected, as will be hereinafter more particularly set forth.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a perspective view of one of my improved cleaning-machines; Fig. 2, a vertical section through the same on the dotted line 2 2 in Fig. 3; Fig. 3, a transverse vertical section on the dotted line 3 3 in Fig. 2; Fig. 4, a detail sectional view similar to a portion of Fig. 2, showing the scraper and means of attaching it to the cylinder, on a larger scale; and Fig. 5, a view of a portion of the disk which carries the pointed scrapers, on an enlarged scale.

In said drawings, the portions marked A represent the frame-work; B, a driving-shaft, and C my improved cleaning device.

The frame A is any suitable frame for supporting the cleaning mechanism, preferably provided with a hood, A', under which said cleaning mechanism is arranged.

The driving-shaft B is journaled in suitable bearings at each end on said frame A, being provided with a band-pulley, b, by which motion is communicated to it by means of a belt running from any convenient power.

The cleaning device C consists of a cylinder, preferably of wood, mounted on said driving-shaft to revolve therewith, and has a disk, C', secured at one end, carrying knife points or scrapers c' on its periphery, which is preferably formed tapered to an edge from each side to the center, and said knives are formed of a corresponding shape. At suitable intervals rows of knives c are arranged on said cylinder longitudinally thereof. They are mounted on the edge of a strip of rubber, C<sup>2</sup>, (ordinary rub-

ber belting being suitable for the purpose,) which is secured to said cylinder at its lower edge by means of angle-irons c<sup>2</sup>, arranged on each side of its lower edge and bolted thereto, and secured to said cylinder in the desired position by means of screws, as shown. (See especially Fig. 4.)

The scrapers c are preferably flat pieces of steel of suitable length, and are sharpened to an edge at their points, and are secured to the outer edge of the strip of rubber C<sup>2</sup> by means of strips of iron, c<sup>3</sup>, riveted on both sides of this edge of the rubber over the lower ends of said scrapers, and thus serve as a means to properly support said scrapers, the lower end of each of which is preferably turned up slightly at its lower end to engage with the lower edge of one of said strips c<sup>3</sup>, and thus hold it in position.

The operation of my said invention is as follows: The cylinder carrying the scrapers is rapidly revolved by means of any convenient power, and the operator, holding the foot to be cleaned in his hand, first cleans the hoof by means of the knives c', carried in the edge of the disk C', which operates between the toes and in the creases in said foot, and then the other portion of the foot is held so that the scrapers c will come in contact with its surface, said foot being turned to bring each portion of its surface into contact with said scrapers, which rapidly clean the same, as will be readily understood. A trough of hot water is usually provided in a convenient position, in which the foot may be rinsed, as will be readily understood; but this, of course, forms no part of the invention.

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

1. A machine for cleaning pigs' feet, consisting of a suitable frame, a cylinder mounted on a driving-shaft in said frame, and knives or scrapers secured to said cylinder by a flexible connection, substantially as set forth.

2. In a cleaning-machine, the combination, with the cylinder carrying the scrapers, of a disk provided with pointed knives in its edge for cleaning the creases, substantially as set forth.

3. The combination, with the cylinder C, of

the strips of flexible material C<sup>2</sup>, secured thereon, the scrapers c, mounted on the outer edge of said flexible material, and means for driving the same, substantially as set forth.

- 5 4. In a machine for cleaning pigs' feet, the combination of the frame A, the driving-shaft B, the cylinder C, mounted on said driving-shaft, the disk C', secured at one end thereof and provided with knives c' in its periphery,  
10 the strips of flexible material C<sup>2</sup>, secured at intervals on said cylinder C longitudinally

thereof, and the scrapers c, secured to the outer edge of said strips of flexible material, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 1st day of February, A. D. 1888.

WM. ARCHDEACON. [L. S.]

Witnesses:

E. W. BRADFORD,

CHARLES L. THURBER.