

No. 742,773.

PATENTED OCT. 27, 1903.

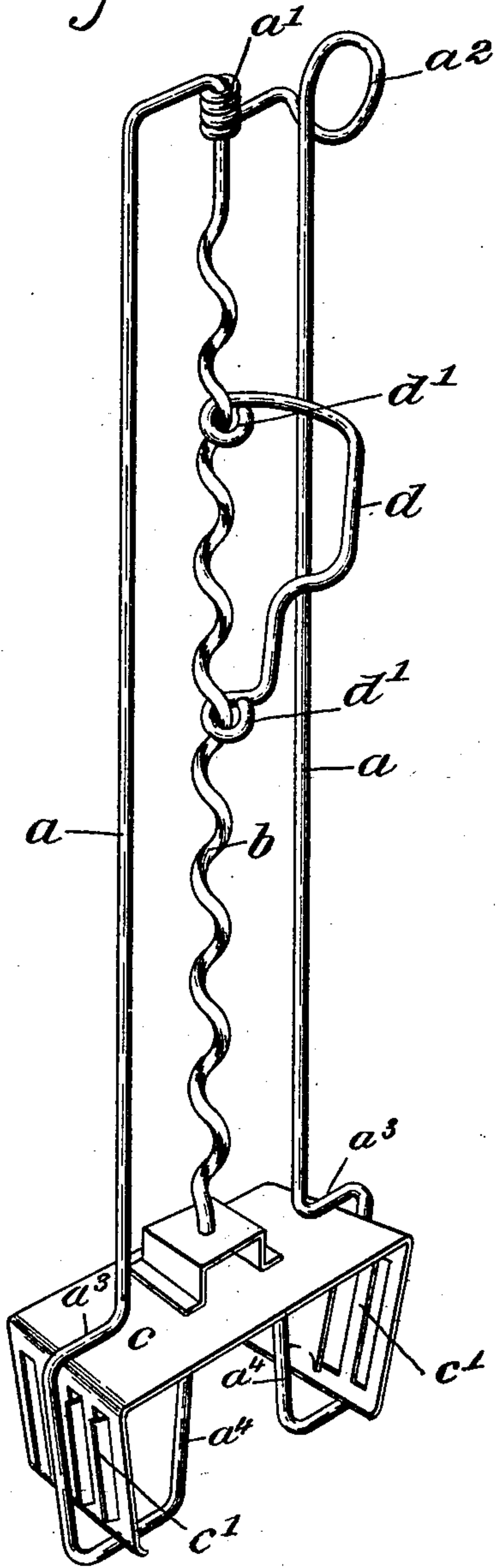
W. R. & N. B. CAIN.
BEATING OR WHISKING DEVICE.

APPLICATION FILED JAN. 9, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.



WITNESSES:

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Isaac B. Owens.

INVENTORS
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Napoleon B. Cain
BY *Munn & Co.*
ATTORNEYS.

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NO MODEL.

2 SHEETS—SHEET 2.

Fig. 2.

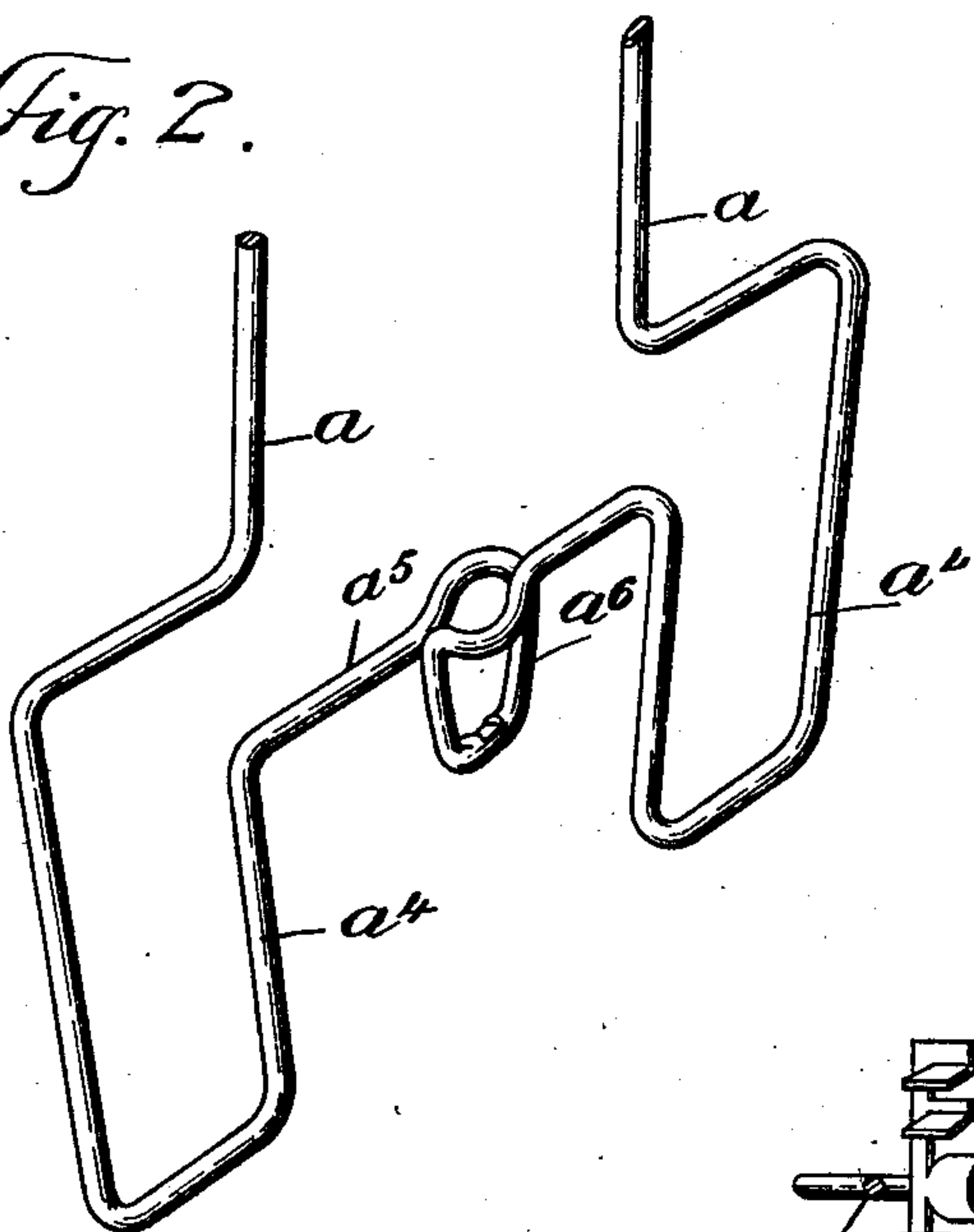


Fig. 3.

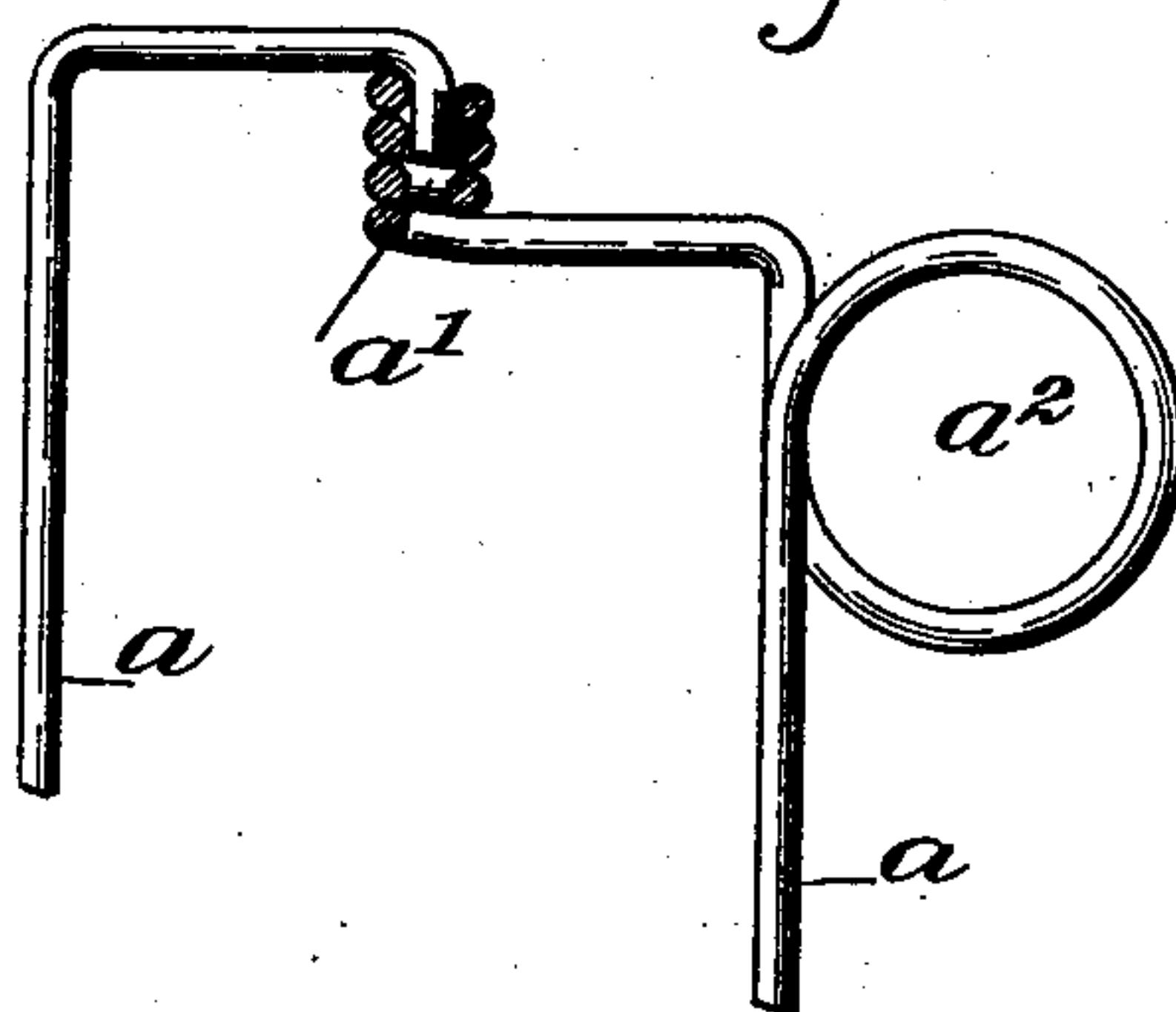


Fig. 5.

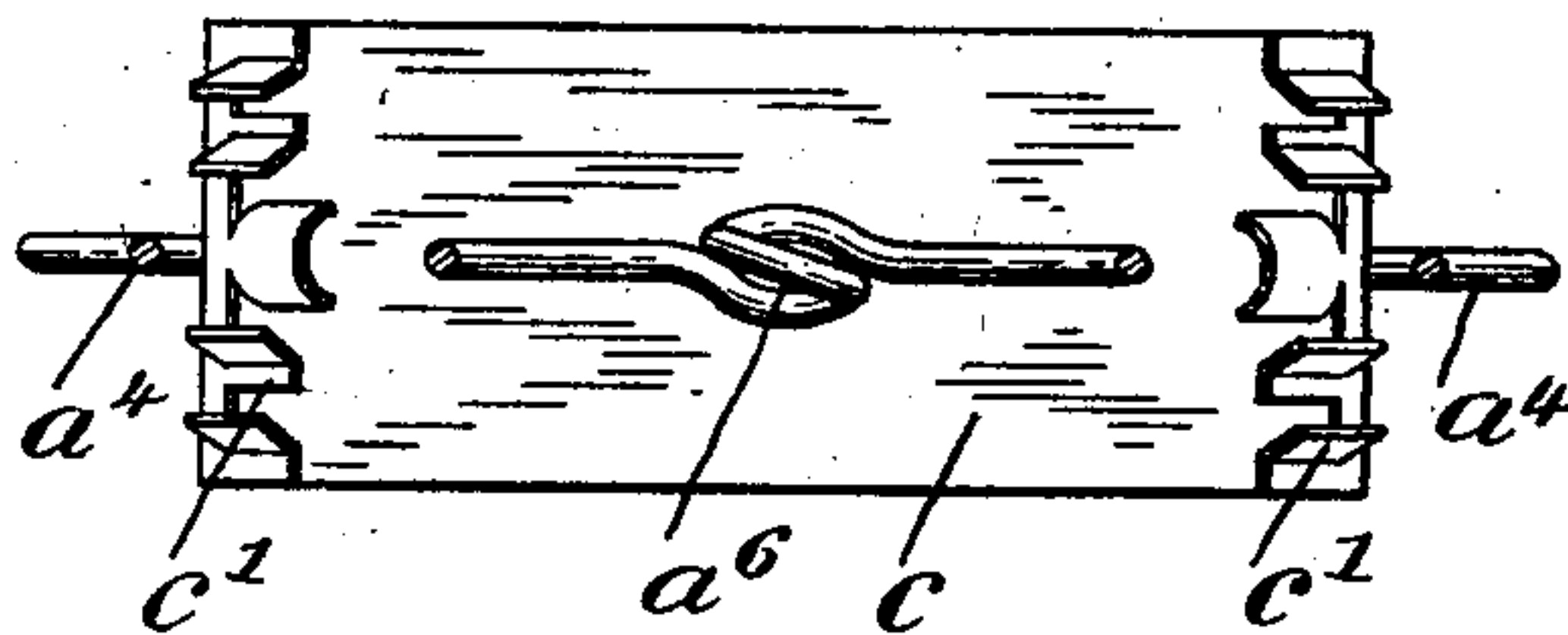


Fig. 4.

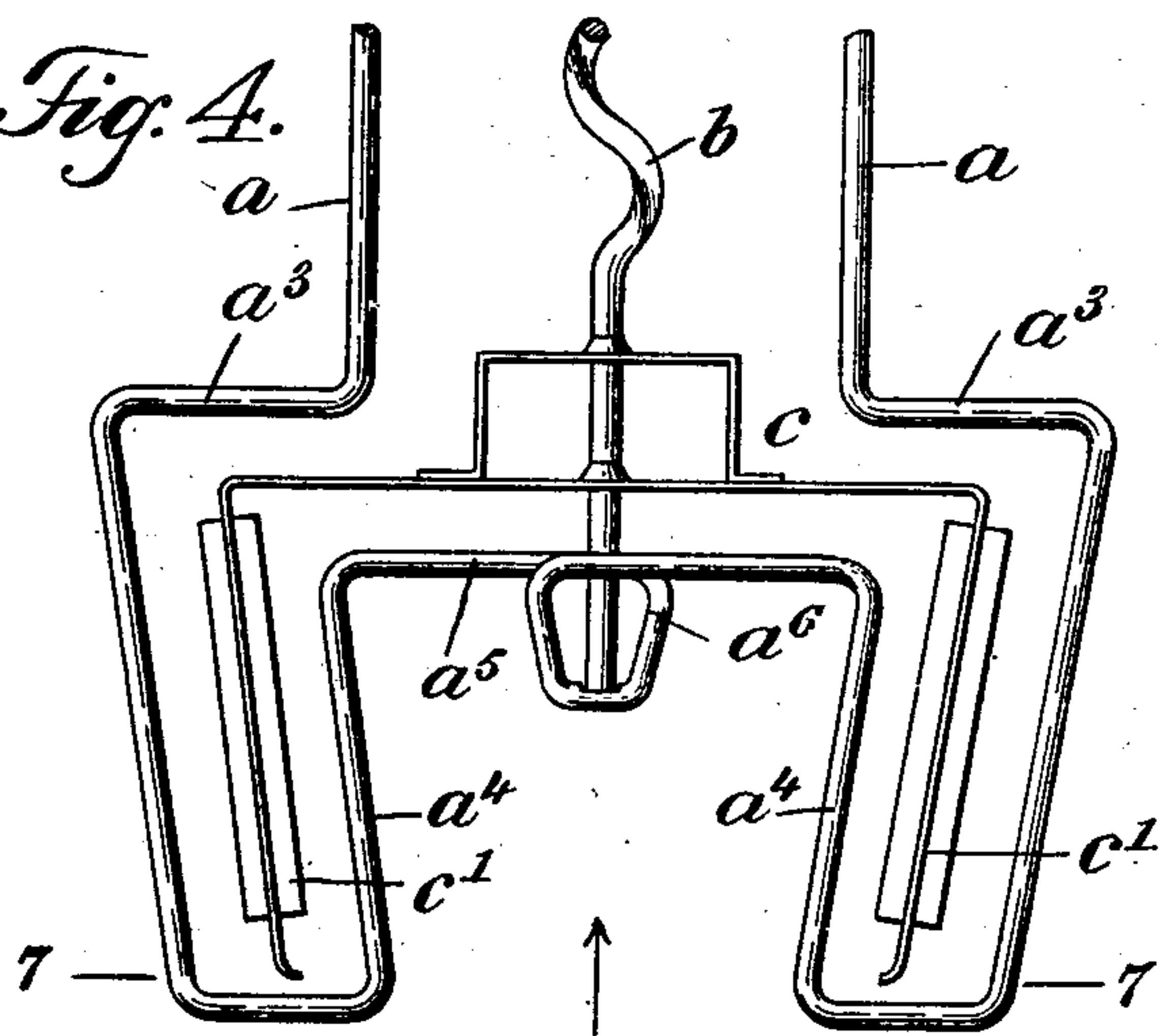
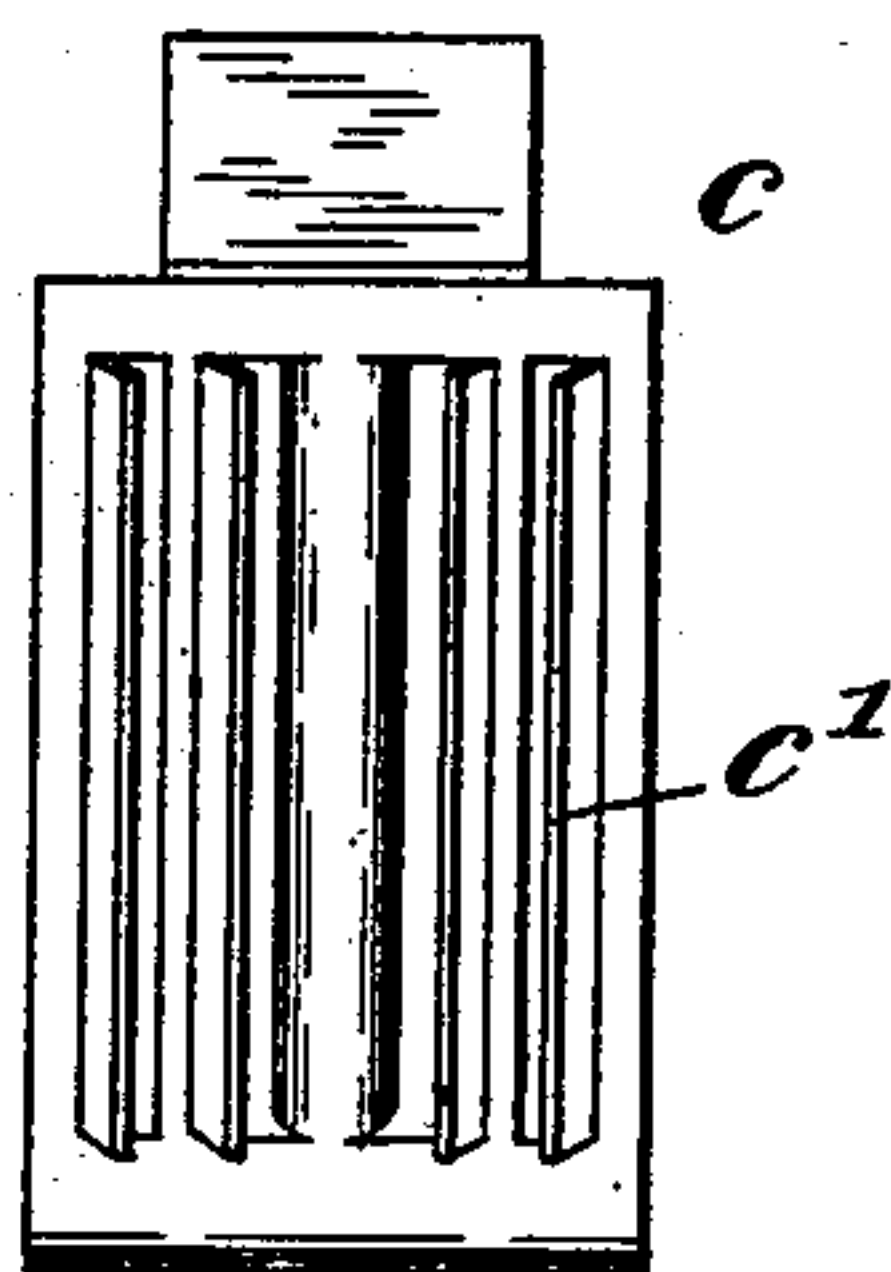


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WESLEY R. CAIN AND NAPOLEON B. CAIN, OF PORT JERVIS, NEW YORK.

BEATING OR WHISKING DEVICE.

SPECIFICATION forming part of Letters Patent No. 742,773, dated October 27, 1903.

Application filed January 9, 1903. Serial No. 138,367. (No model.)

To all whom it may concern:

Be it known that we, WESLEY R. CAIN and NAPOLEON B. CAIN, citizens of the United States, and residents of Port Jervis, in the county of Orange and State of New York, have invented a new and Improved Beating or Washing Device, of which the following is a full, clear, and exact description.

This invention relates to a means for rapidly rotating various objects, such as the beater-plate of an egg-beater or the brush of a chimney or bottle cleaner.

It comprises a certain novel arrangement of a spiral and sliding agitator by means of which a rapid rotation is imparted to the beater or brush.

This specification is an exact description of one example of our invention, while the claims define the actual scope thereof.

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 views.

Figure 1 is a perspective view of the invention embodied as an egg-beater. Fig. 2 is a detail perspective view of the lower portion of the frame of the egg-beater. Fig. 3 is a detail section of the upper portion of the frame. Fig. 4 is a side elevation of the lower portion thereof. Fig. 5 is a section on the line 7 7 of Fig. 4, and Fig. 6 is a side elevation of the beater.

The frame of the egg-beater comprises two parallel side portions a , joined together at their upper ends and having a bearing a' and a finger loop or holder a^2 . At their lower ends the side portions of the frame are bent outward, as indicated at a^3 , and thence downward and upward, forming loops a^4 , joined by a cross-piece a^5 , in which is formed a socket or bearing a^6 .

b indicates the spiral, which is extended longitudinally in the frame and has its ends mounted, respectively, in the bearings a' and a^6 . This spiral carries the beater, which comprises a body c , fastened to the spiral, and downwardly-projecting winged ends c' , which are adapted to turn through the loops a^4 . The wings c' are slit, as shown, and the slit

portions turned in and out to effect a paddle-like action on the material with which the beater is used. The actuator comprises a handle portion d , having two rings d' , loosely embracing the spiral b .

In the use of the invention the frame is rested with its loops a^4 on the bottom of the vessel in which the beater is placed, and then by holding the frame through the medium of the loop a^2 and moving the actuator d up and down on the spiral b a rapid revolution of the spiral is effected, and since the beater c is attached to the spiral said beater follows the movements thereof.

Various changes in the form, proportions, and minor details of our invention may be resorted to at will without departing from the spirit and scope thereof. Hence we consider ourselves entitled to all such variations as may lie within the intent of our claims.

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

1. The combination of a frame, a spiral mounted to turn therein, a beating device fastened to the spiral, and an actuator comprising a handle portion and two rings respectively at the ends of the handle portions, each of said rings loosely embracing the spiral.

2. The combination of a frame having side portions and having its lower end formed with two downwardly-extending loops connected at their inner sides by a cross-piece, a spiral mounted to turn in the frame, the lower end of the spiral being fitted loosely in the cross-piece, a beating device fastened to the spiral and having downwardly-projecting wings movable through the said loops of the frame, and an actuator fitted on the spiral, for the purpose specified.

3. The combination of a frame having side portions and having its lower end formed with two downwardly-extending loops connected at their inner sides by a cross-piece, a spiral mounted to turn in the frame, the lower end of the spiral being fitted loosely in the cross-piece, a beating device fastened to the spiral and having downwardly-projecting wings

movable through the said loops of the frame,
and an actuator fitted on the spiral, for the
purpose specified, the said actuator compris-
ing a handle portion and two rings loosely
5 embracing the spiral and respectively at the
end of the handle portion.

In testimony whereof we have signed our

names to this specification in the presence of
two subscribing witnesses.

WESLEY R. CAIN.
NAPOLEON B. CAIN.

Witnesses:

IRENE E. MYER,
CATHARINE E. CAIN.