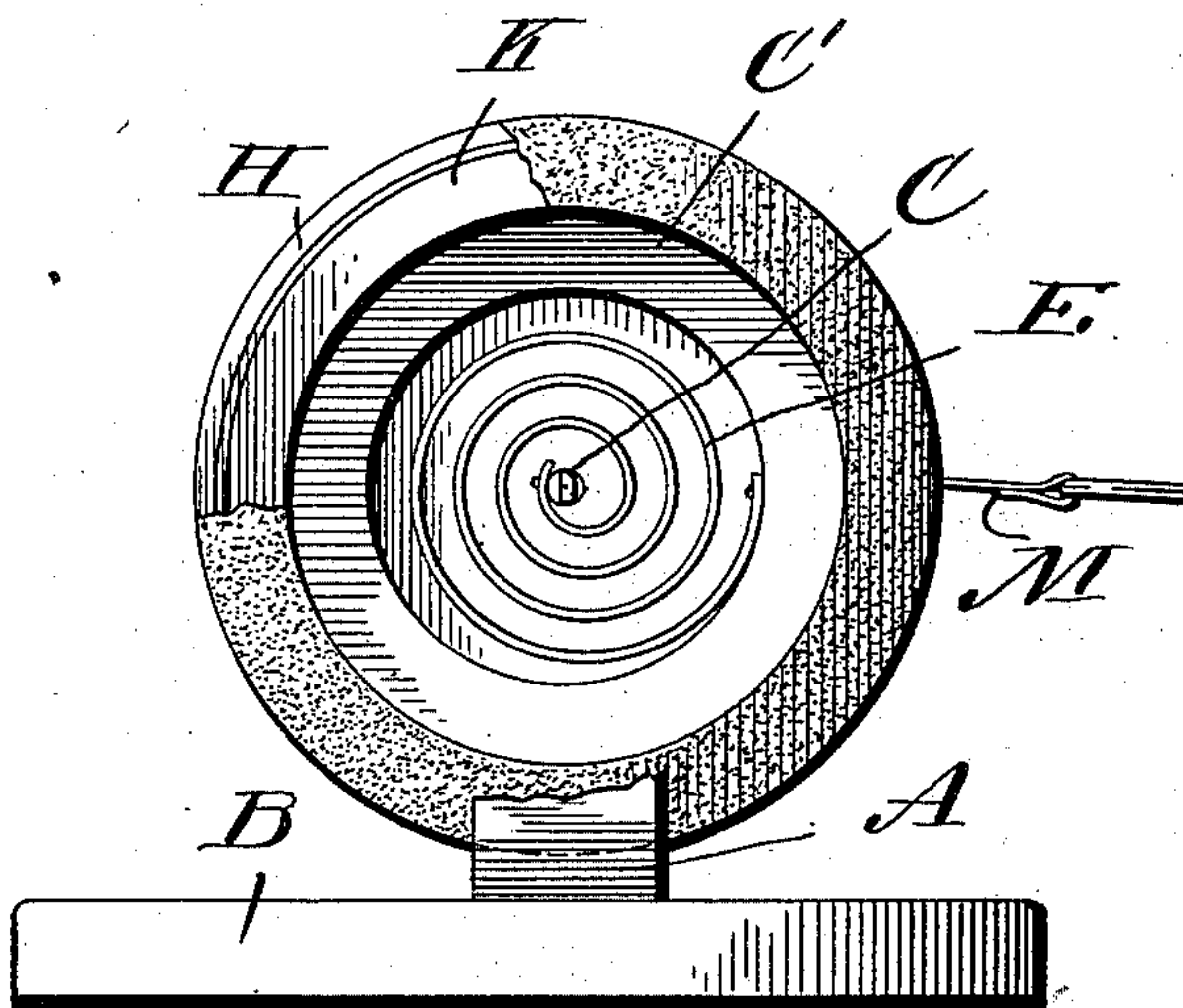
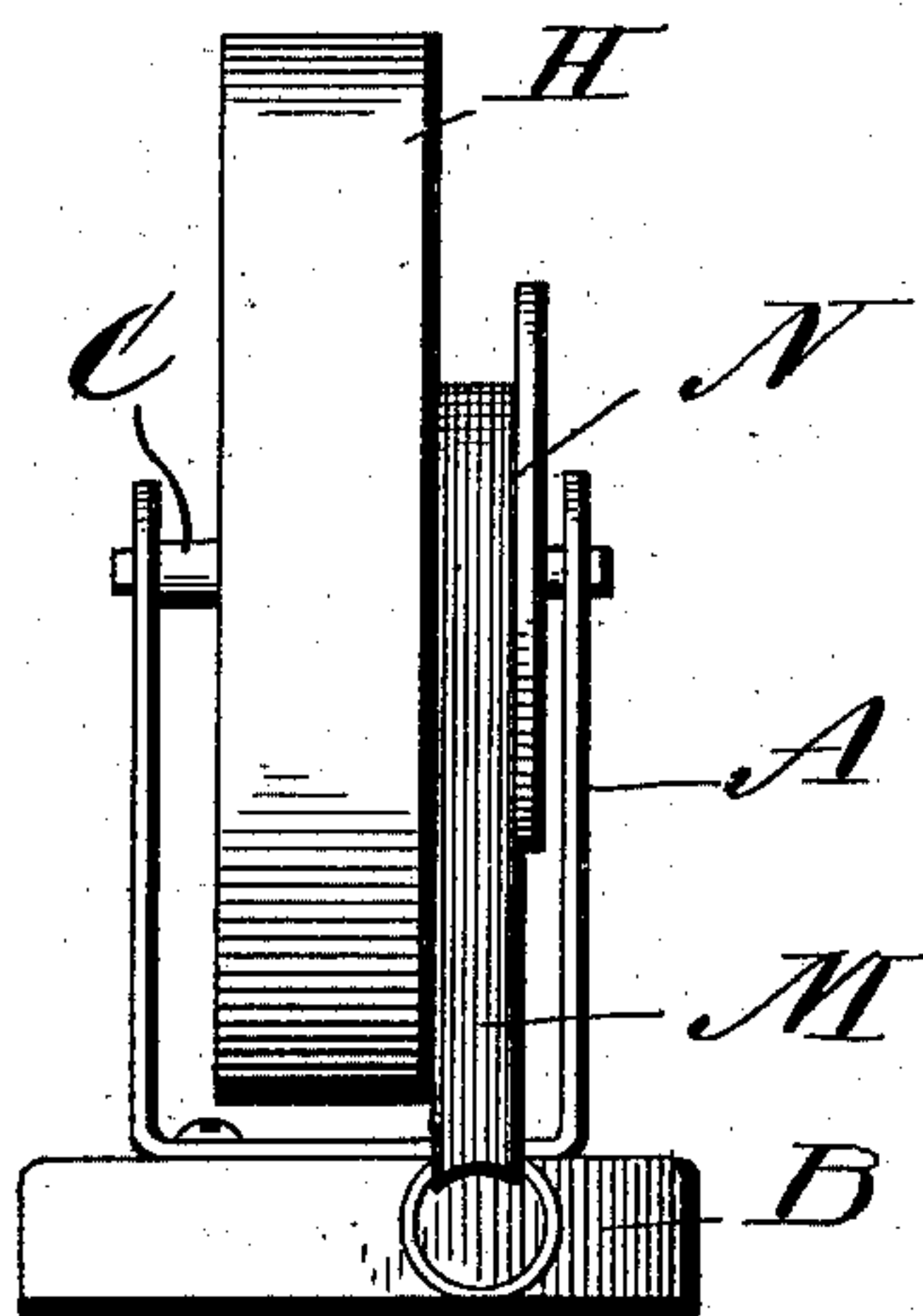
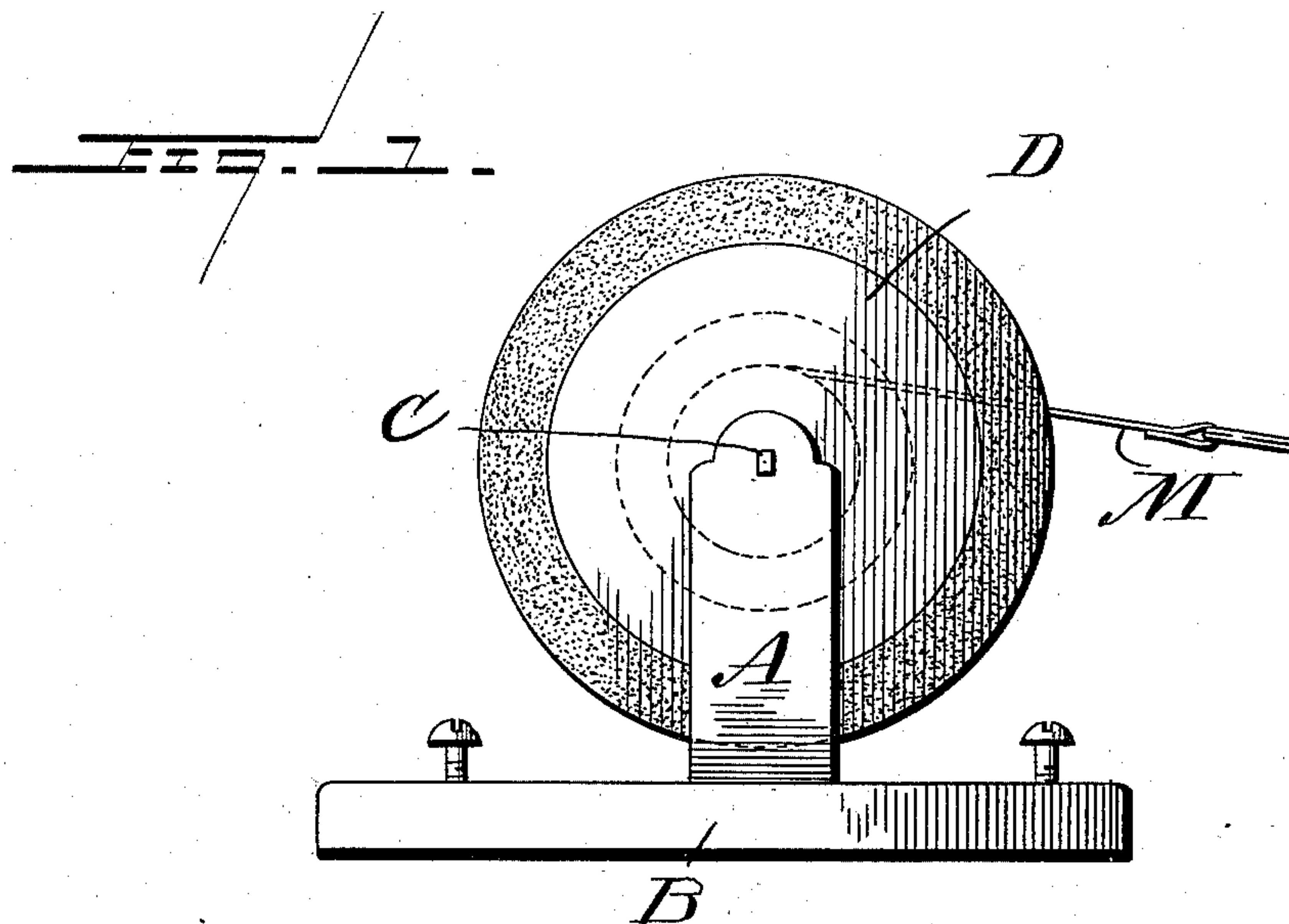


No. 750,301.

PATENTED JAN. 26, 1904.

C. PHILIUS.
ROTARY WHEEL FOR SHARPENING RAZORS.
APPLICATION FILED MAR. 18, 1903.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CORNELIUS PHILIUS, OF OLEAN, NEW YORK.

ROTARY WHEEL FOR SHARPENING RAZORS.

SPECIFICATION forming part of Letters Patent No. 750,301, dated January 26, 1904.

Application filed March 18, 1903. Serial No. 148,394. (No model.)

To all whom it may concern:

Be it known that I, CORNELIUS PHILIUS, a citizen of the United States, residing at Olean, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Rotary Wheels for Sharpening Razors; and I do 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in razor-straps, and particularly in the provision of a rotary strap which is suitably cushioned and mounted upon a suitable spindle and having a spool attached thereto about which a tape or string is adapted to be wound, whereby the rotary strap may be operated in one direction, while a spring is provided, one end of which is secured to the spindle and the other end fastened to the casing carrying the strap and provided for the purpose of giving the strap a reverse rotary movement after being wound up by pulling upon the tape or string, thus giving an alternate rotation to the strap, and providing means whereby a razor may be quickly and efficiently sharpened, the convexed shape of the strap conforming to the concave of the razor.

The invention consists, further, in various details of construction and in combinations of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side view of my improved rotary strap. Fig. 2 is an edge view. Fig. 3 is a sectional view through the casing and the strap about the circumference thereof, showing the spring for rotating the same.

Reference now being had to the details of the drawings by letter, A designates a yoke which is fastened to a block B, which may be in turn fastened to any suitable stationary object, and C designates a spindle having squared

ends which are mounted in similarly-shaped apertures in the ends of said yoke, which holds the spindle from rotation. The hollow casing C' is centrally apertured and loosely mounted upon said spindle, and one side D of said casing is removable and may be fastened in place in any suitable manner and is centrally apertured, forming a bearing for the spindle. A spring E is fastened at one end to the spindle and at its other end to the circumferential wall of the recess in which the spring is positioned, and fastened about the circumference of the casing is a leather strap H, under which is a suitable casing K, and upon one face of the casing, preferably about the circumference of the removable side, is a circular band of emery.

Integral with or secured to the casing is a spool N, to which a tape M is fastened and which is adapted to wind about said spool.

In operation after the tape is wound upon the spool the unwinding of the same will cause the casing to rotate, and in its rotary movement the spring will become under tension and will cause a reverse rotation of the casing after the tape has been unwound and released. In honing a razor the convexed surface of the casing, which is covered with the leather strap, will conform to the concaved surface of the razor, and as the strap rotates in a reverse direction the razor may be held according in order to have the spool rotate away from the cutting edge.

From the foregoing it will be observed that by the provision of a rotary razor-strap embodying the features of my invention the sharpening of razors will be greatly expedited and the work efficiently accomplished.

While I have shown a particular construction of apparatus embodying the features of my razor-strap, it will be understood that I may make changes in the detailed construction of the same without departing from the spirit of the invention.

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

A rotary wheel for sharpening razors comprising a base, a U-shaped yoke secured to said base and having a rectangular outlined

aperture in one of its ends, a shaft, one end
of which is rectangular shaped and is adapted
to conform to and be held by said aperture
and its other end mounted in the opposite end
5 of the yoke, a winding-drum mounted upon
said shaft, a wheel rotating with said drum
and having one of its faces recessed, a spring
seated in said recess having one end secured
to said shaft and the other to the marginal
10 wall of said recess, a cover closing said recess,

an emery surface surrounding said cover and
adjacent to the marginal circumference of said
wheel, and a strap about the circumference of
the wheel, as shown and described.

In testimony whereof I hereunto affix my 15
signature in presence of two witnesses.

CORNELIUS PHILIUS.

Witnesses:

CREIGHTON S. ANDREWS,
GEO. H. PIERCE