

(No Model.)

C. F. KELLUM.  
OILING DEVICE.

No. 477,422.

Patented June 21, 1892.

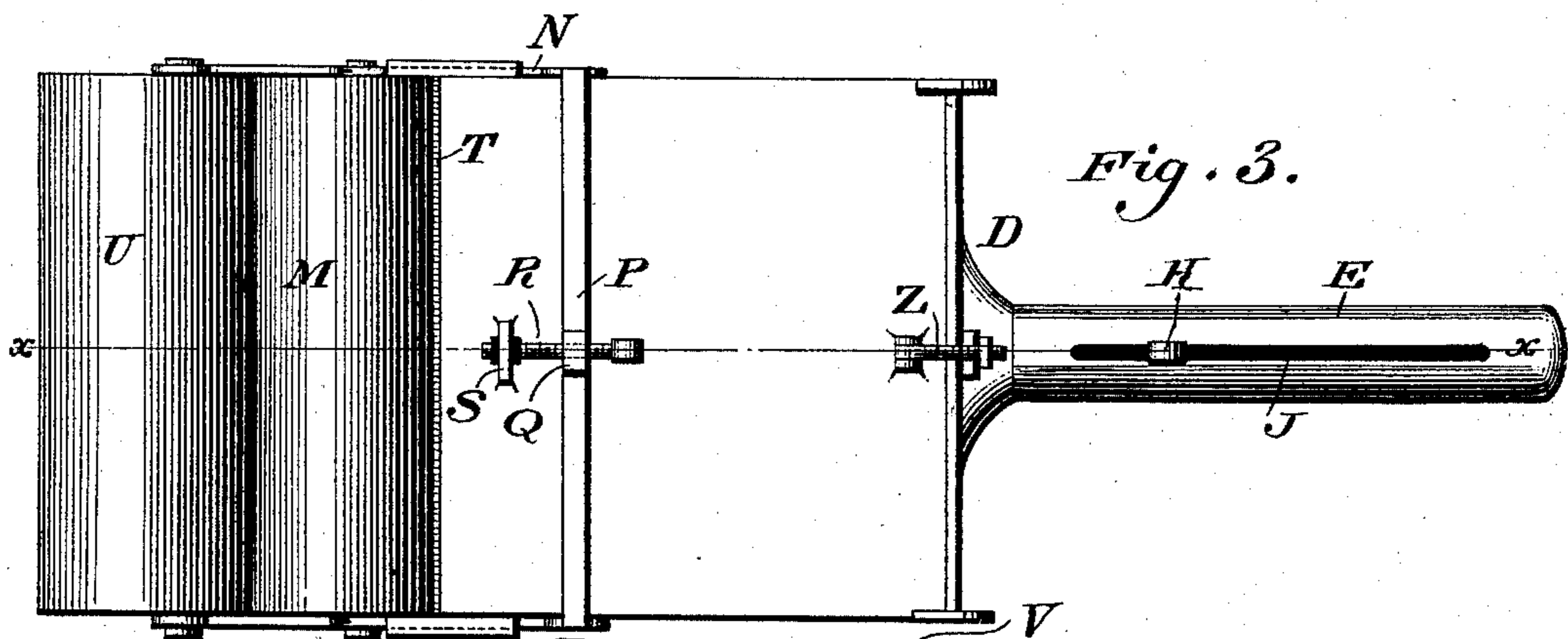
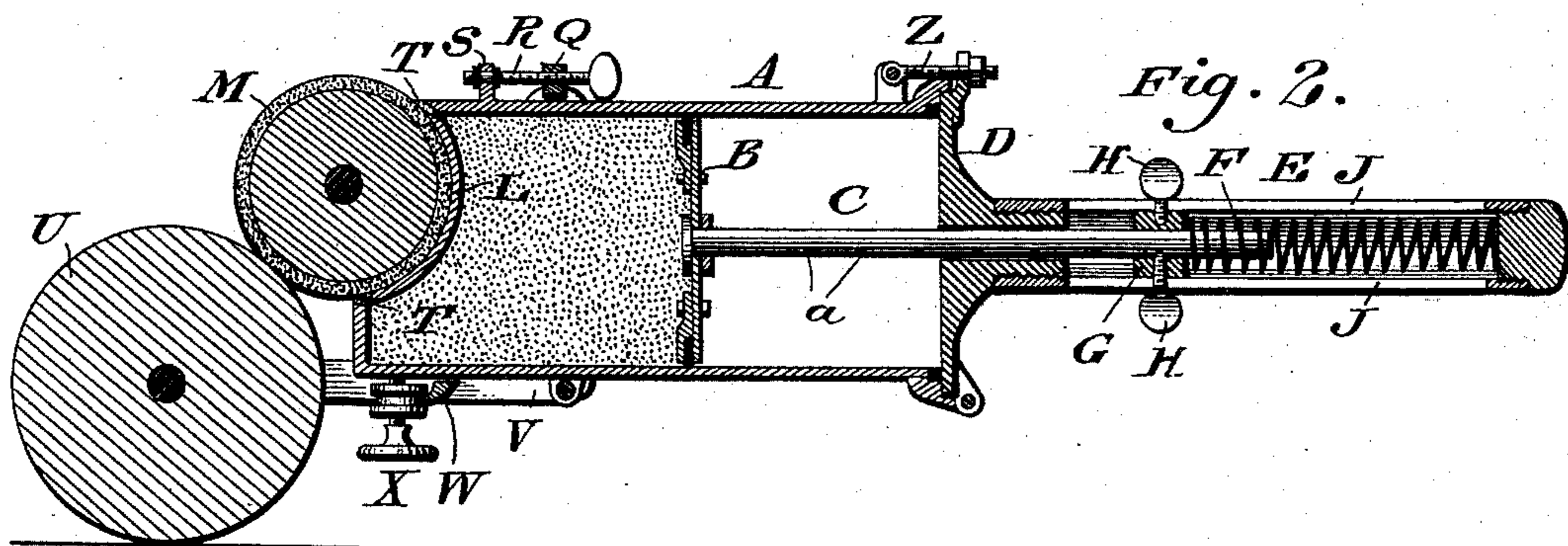
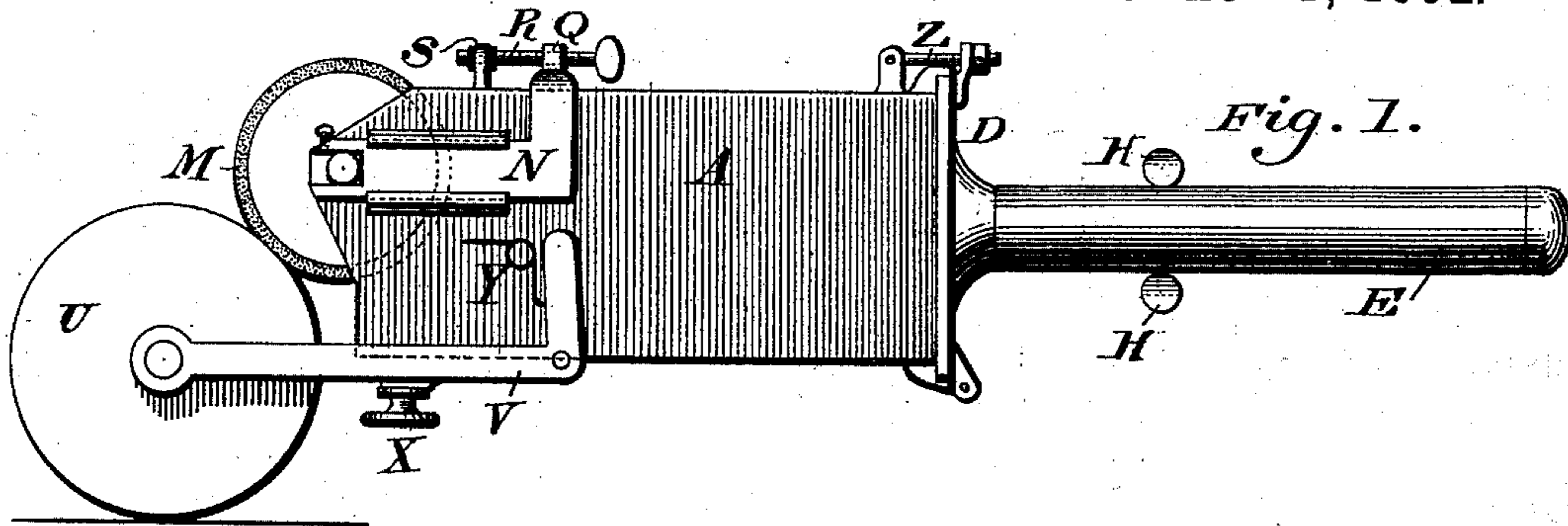
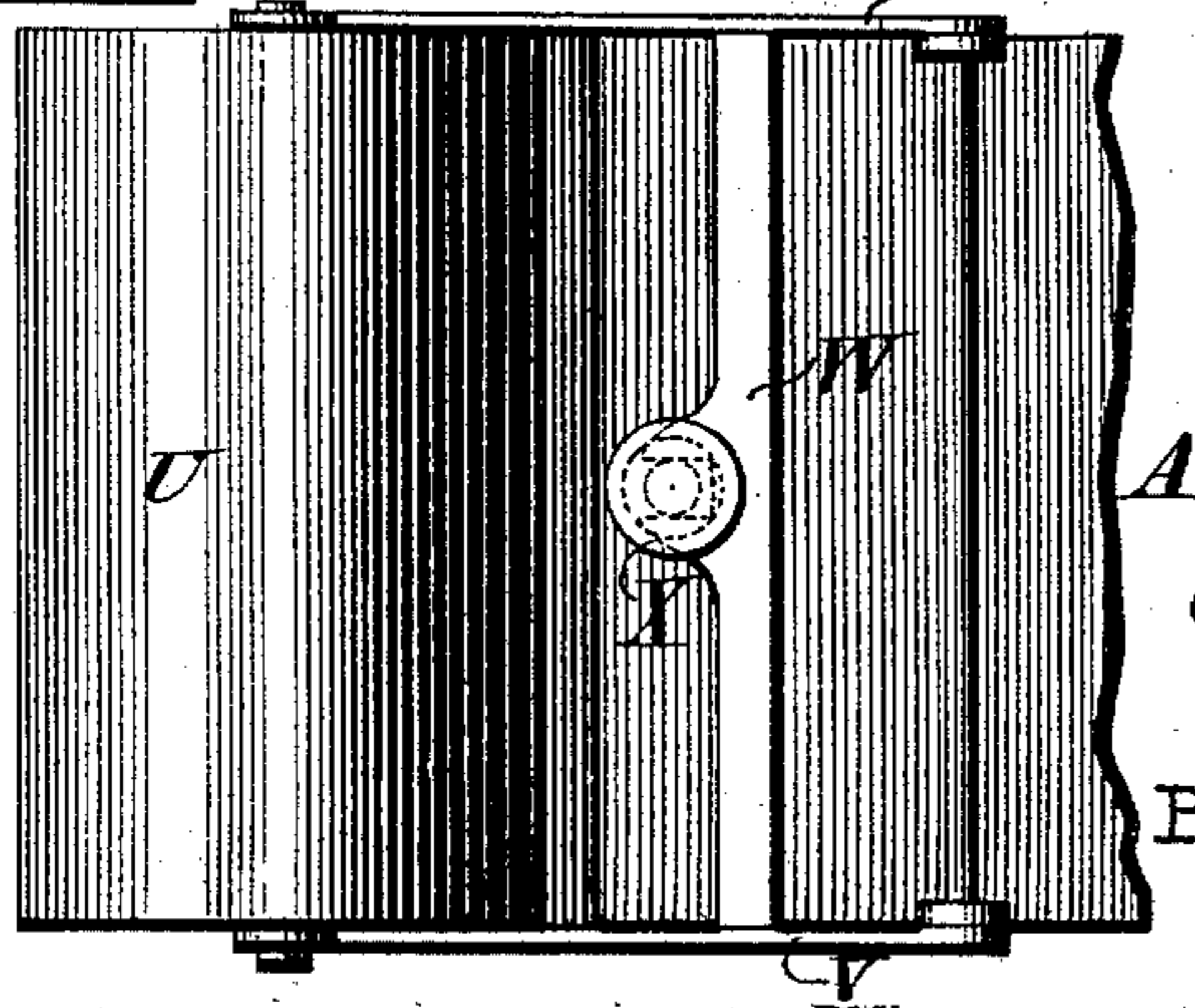


Fig. 4.

WITNESSES:  
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# UNITED STATES PATENT OFFICE.

CHARLES F. KELLUM, OF DELAIR, NEW JERSEY, ASSIGNOR OF ONE-HALF TO  
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## OILING DEVICE.

SPECIFICATION forming part of Letters Patent No. 477,422, dated June 21, 1892.

Application filed January 28, 1892. Serial No. 419,519. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES F. KELLUM, a citizen of the United States, residing at Delair, in the county of Camden and State of New Jersey, have invented a new and useful Improvement in Apparatus for Oiling or Greasing Belts, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an apparatus for oiling or greasing belts, embodying a reservoir with an automatically-operating follower, an adjustable feed-roller, and a spring-controlled applying-roller with a stop, substantially as described.

It further consists of a reservoir with a follower, a feed-roller journaled in arms on the sides of the reservoir and rotating in a curved bed in one end of the reservoir and with discharge-ports covered by said feed-roller, and an applying-roller.

It further consists of the combination of parts hereinafter set forth.

Figure 1 represents a side elevation of an apparatus for oiling or greasing belts embodying my invention. Fig. 2 represents a longitudinal section thereof on line *x x*, Fig. 3. Fig. 3 represents a plan view thereof. Fig. 4 represents a view of a portion opposite to Fig. 3.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a vessel or reservoir for oil or grease, within which is a follower B, whose stem C passes through the head or cap D of the reservoir into the handle E thereof, said handle being hollow and connected with said cap and containing a spring F, which bears against the block G, which is adjustably connected with the stem C by means of the screws H, portions of which project from said block through slots J in the side of the handle E, so that the heads X of the screws are convenient of access, the tendency of the spring being to force the follower and consequently the oil or grease toward the discharge end of the reservoir, said end having a curved bed L, in which is freely seated the feed-roller M, whose shaft has its bearings on arms N, which are fitted in guides on the outside of the reservoir A and connected

by a cross-bar P, at the center of which is a threaded boss Q, with which engages a screw R, one end of which is swiveled on the ear S, secured to the wall of the reservoir, by which provision the roller M may be moved to and from the bed L and accordingly adjusted relatively to the same and to the discharge-ports T T at the ends of said bed.

U designates a roller for applying the oil or grease from the roller M to a belt or other object, the same being in contact with the roller M and having its axis mounted on elbow-levers V, which are pivoted to the wall of the reservoir A and connected by the cross-bar W, to which is fitted a screw X, whose point bears against the wall of the reservoir, whereby by properly rotating said screw the roller U may be adjusted relatively to the periphery of the roller M and the extent of contact therewith. In order to hold said roller U engaged with the roller M, I employ springs Y, which are connected with the wall of the reservoir and bear against the proper limbs, thus forcing said roller U toward and against the roller M, limited by the screw X. The cap D is hinged to the reservoir A, so as to be conveniently opened and closed, and when it is closed it is secured by a bolt Z, which is hinged to the reservoir and adapted to enter a slotted ear on the cap, where a nut is provided to retain said bolt in position. In the stem C are depressions *a* at intervals, the same being adapted to receive the point of one of the screws H for preventing slipping of the latter and adjusting the follower relatively to the desired tension of the spring thereupon.

The operation is as follows: The handle E is grasped and the apparatus directed to the belt, so that the roller U may contact therewith. The apparatus is then moved so that said roller rotates upon the belt, and, as the oil or grease is under pressure of the follower B it emerges from either of the throats, according to the direction of the rotation of the roller M, the other throat not discharging, owing to the roller M rotating toward the same, the throats being narrow in their nature. The oil or grease supplied to the roller M from the reservoir is then fed to the roller U and from thence applied to the belt, the application being uniform and thorough and ac-

complished in a simple, convenient, and inexpensive manner.

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

1. In an oiling and greasing machine, a reservoir with a follower therein and having a curved bed in one end thereof, a feed-roller journaled in arms having bearings in the sides of the reservoir and rotating in said bed, and an applying-roller adapted to contact with said roller, said reservoir having discharge-ports covered by and leading against said feed-roller, said parts being combined substantially as described.

2. An oiling and greasing machine consisting of a reservoir, an automatically-operating follower therein, an adjustable feed-roller, a spring-controlled applying-roller, and a stop for said applying-roller, said parts being combined substantially as described.

3. In an oiling or greasing apparatus, a reservoir, a follower therein, a slotted handle connected with said reservoir, a stem on said fol-

lower entering said handle, a spring bearing against said stem, and a set-screw passing through the handle into a block on the stem, said parts being combined substantially as described.

4. In an oiling or greasing apparatus, a reservoir with a head with opening thereon, a hollow handle with slots in its sides, a follower in said reservoir with a handle in said stem, screws projecting through and guided in said slots and with ends connected with said stem, and a spring bearing against the handle and the said stem, said parts being combined substantially as described.

5. A reservoir, a follower with a stem, a block on said stem, a spring bearing against said block, and a screw in said block for connecting the same with the stem of the follower, said stem having depressions to receive the point of said screw, substantially as described.

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Witnesses:

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