

C. KURTH.
Oiler for Crank-Wrist.

No. 168,163.

Patented Sept. 28, 1875.

Fig: 1.

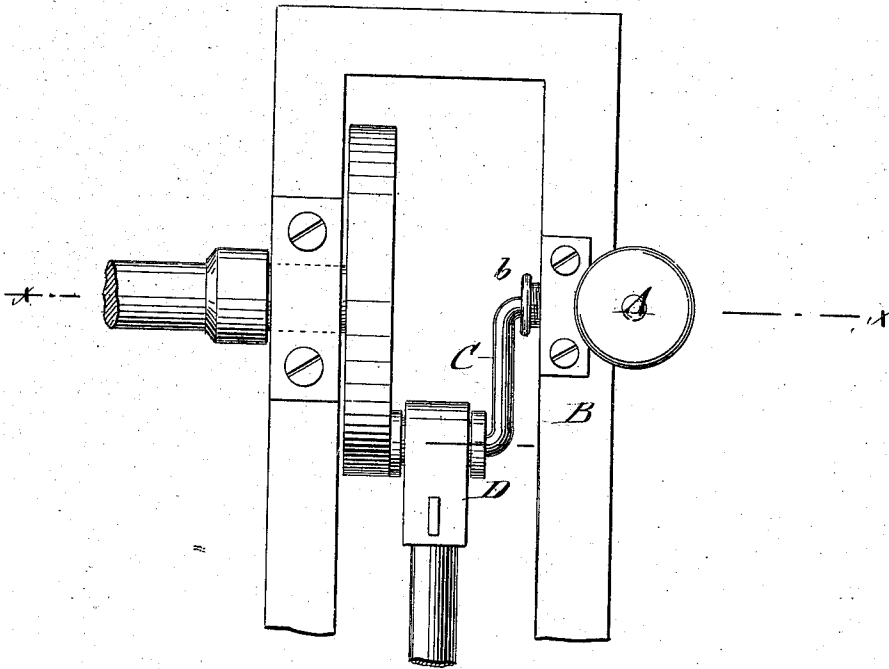
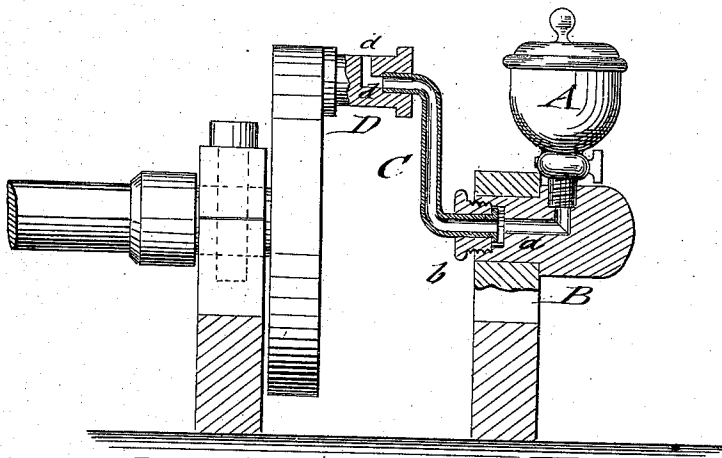


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES KURTH, OF CHATTANOOGA, TENNESSEE.

IMPROVEMENT IN OILERS FOR CRANK-WRISTS.

Specification forming part of Letters Patent No. **168,163**, dated September 28, 1875; application filed August 28, 1875.

To all whom it may concern:

Be it known that I, CHARLES KURTH, of Chattanooga, in the county of Hamilton and State of Tennessee, have invented a new and Improved Oiler for Crank-Wrists, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view, and Fig. 2 a vertical central section, of my improved oiler for crank-wrists, on the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide an oiler for crank-wrists, by which a continuous supply of oil is provided without necessitating the stopping of the engine; and the invention consists of an oil-receptacle connected, by a revolving journaled pipe, with the perforated crank-pin, for conveying a certain quantity of oil at each revolution of the shaft.

In the drawing, A represents the oil-receptacle, with regulating stop-cock, which is attached to a bed-plate, B, and connected, by a bottom aperture and exit-channel, *a*, with the crank-pin connecting-pipe C, that is secured at one end by a screw-journal, *b*, into the bed-plate. The connecting-pipe C is bent at each

end, but in opposite direction at right angles, and the other end set into a central perforation, *d*, of the crank-pin D. A certain play in lateral direction is given to pipe C to allow for small inaccuracies of the revolving parts. The perforations *d* of the crank-pin D are extended at right angles to the longitudinal entrance part, into which the oil-pipe C enters, so as to supply the oil to the crank-wrist.

A small quantity of oil is conducted from the oil-receptacle to the wrist when the crank-pin and oil-pipe pass through the lower half of each revolution, furnishing thus an even and continuous supply to the crank-wrist without interrupting the running of the engine.

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

The combination of oiler A, bed-plate B, having channel *a*, the journal *b*, the bent pipe C, the wrist-pin having angle-hole *d*, as and for the purpose specified.

CHARLES KURTH.

Witnesses:

EDWARD DOUD,
D. B. BRANCH.