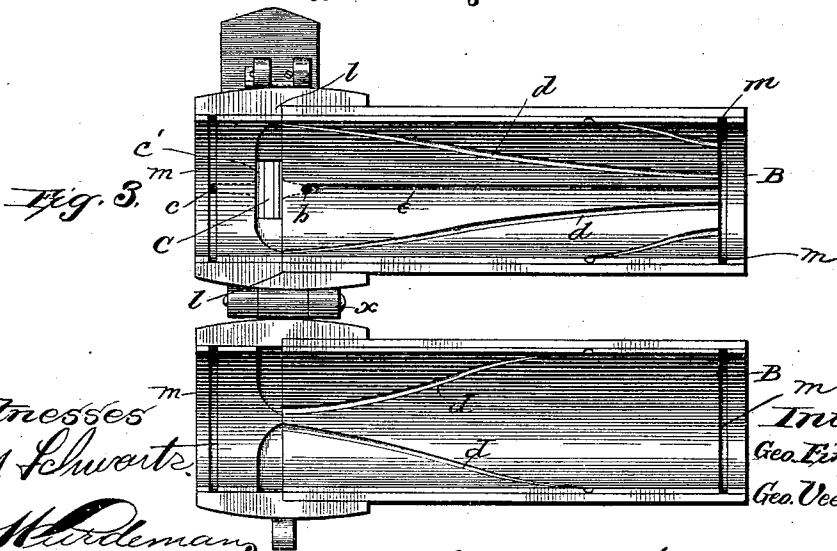
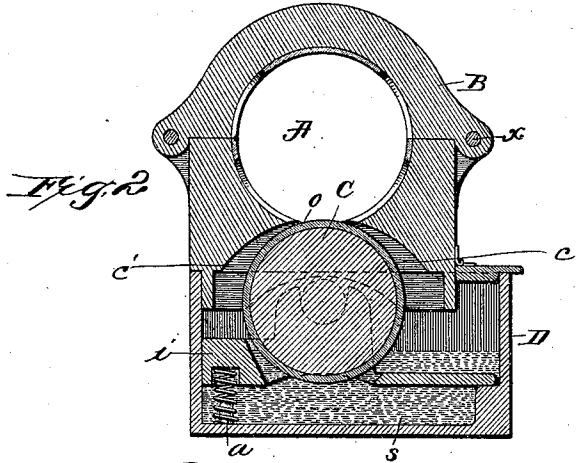
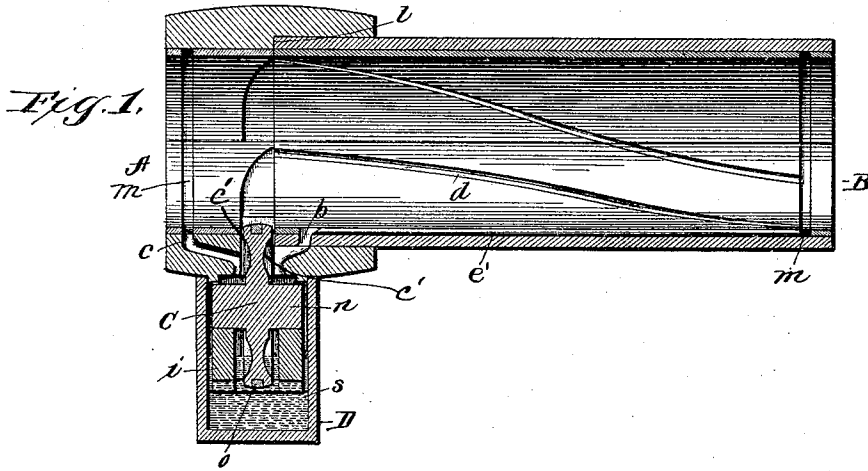


(No Model.)

G. FINFROCK & G. VEESENMEYER.  
JOURNAL OILER.

No. 461,426.

Patented Oct. 20, 1891.



Witnesses  
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# UNITED STATES PATENT OFFICE.

GEORGE FINFROCK AND GEORGE VEESENMEYER, OF CHICAGO, ILLINOIS.

## JOURNAL-OILER.

SPECIFICATION forming part of Letters Patent No. 461,426, dated October 20, 1891.

Application filed April 13, 1891. Serial No. 388,791. (No model.)

*To all whom it may concern:*

Be it known that we, GEORGE FINFROCK and GEORGE VEESENMEYER, citizens of the United States, residing in the city of Chicago, county of Cook, and State of Illinois, have invented a new and useful Device and Improvement for Lubricating Journals, either moving or stationary, of which the following is a specification.

The objects of our invention are to secure a uniformity of lubrication of stationary or moving journals without interfering with their utility, and at the same time reduce the wear on the same by friction to the minimum, and economy in use of oil. We accomplish these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a longitudinal section of our device. Fig. 2 represents a vertical cross-section of our device with parts removed. Fig. 3 represents the interior of our device as lying open.

Similar letters refer to similar parts throughout the drawings.

In the construction of our device we place the metal box D underneath the journal A, the segmental members or sections B B of the journal-box inclosing the journal to the extent of six to twelve inches, opening and closing, as desired, by means of the hinge *x*. In the box D is mounted the roller C, which has a journal *n* and frame-bearing *i* in said box, and the roller C projects through a slot or opening *c'* in the journal-box, so that it is caused to operate against the journal A, and thus serving it with oil. In the metal roller C we run a groove *o*, which is filled and forms a face on the roller of Babbitt metal, which gives a more serviceable and satisfactory roller and avoids damaging the journal. The frame-bearing *i* is constructed to rest on a bench at one end of the box D and at the other end it is countersunk, in which rests the spiral spring *a*, by means of which the roller C is lightly raised against the journal A, with which it engages and serves with oil. The interior of the journal-box formed by the hinged sections or members B B is provided with spiral oil passages or grooves *d*

and with a longitudinal passage *e*, and at the ends of the box we form the annular grooves *m*, one or both of which may communicate with the longitudinal and spiral grooves, whereby the journal is plentifully supplied with oil throughout its entire length, and the escape of the lubricant at the end of the bearing is avoided. The excess of oil is conducted back to the receptacle D by the return ducts or passages *c d*, which are arranged on opposite sides of the central opening *c'*, and which communicate with the grooves *d*, *e*, and *m*. (See Figs. 1 and 3.) The interior or wearing surfaces of the sections or members B B, forming the journal-bearings, are faced inside with Babbitt metal, so as to avoid wearing the journal A, and have a shoulder raised at *e'*, by which the same are more firmly held in position and enable us to place our device firmly on the end of the journal.

Having thus described our invention, we are well aware that lubricators have heretofore been constructed by means of a roller operating upon the journal, and therefore we do not claim the same, broadly; but

What we do claim as new, and desire to secure by Letters Patent, is—

1. A journal-oiler comprising a longitudinal cylindrical box having the longitudinal and annular oil ways or grooves and the return passages situated on opposite sides of a central opening *c'*, a receptacle below the longitudinal box, and a supply-roller C, supported within the receptacle and projecting through the central opening *c'*, substantially as described.

2. A journal-oiler comprising the sections B B, forming a longitudinal box and provided with the longitudinal and annular grooves or ways *d d e m*, the passages *b c*, and the central opening *c'*, the receptacle D, the movable frame therein, and the roller C, supported in the frame and projecting through the opening *c'*, substantially as described.

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GEORGE VEESENMEYER.

Witnesses:

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