

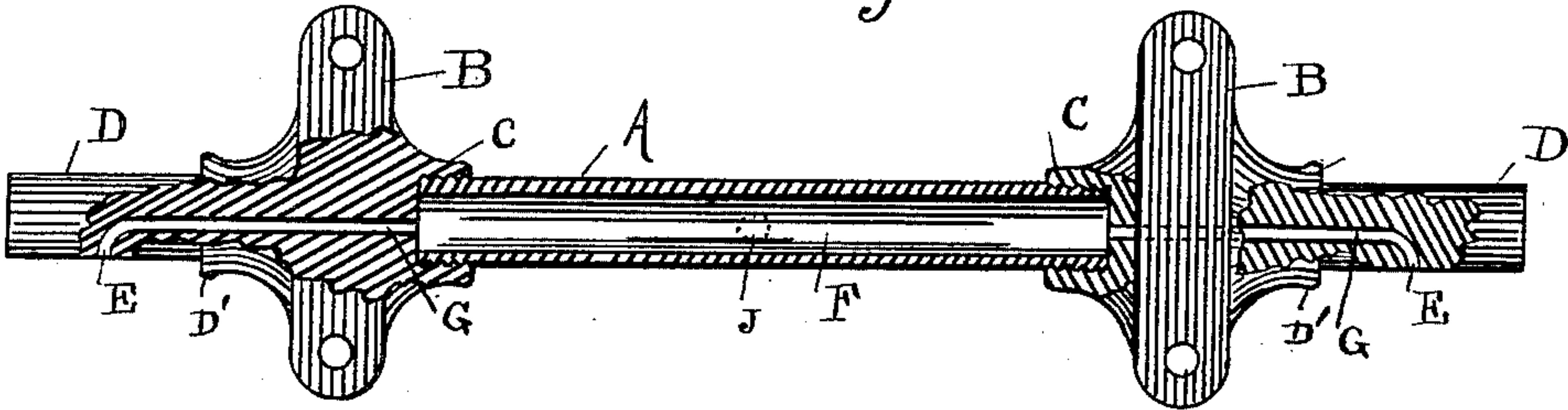
(No Model.)

R. P. SHOLL.  
SELF OILING CAR AXLE.

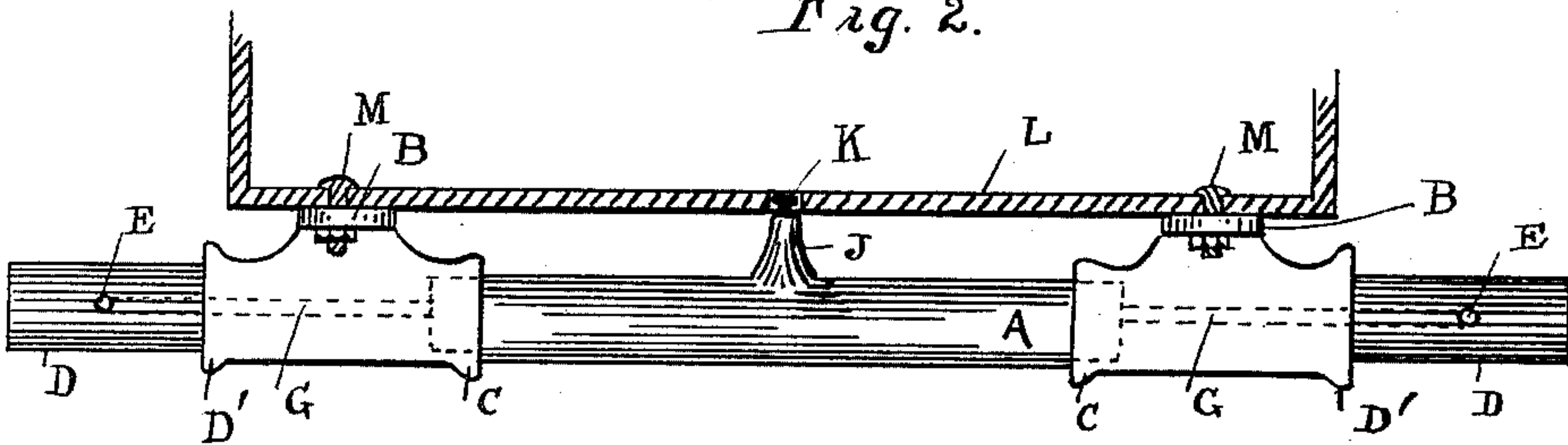
No. 424,731.

Patented Apr. 1, 1890.

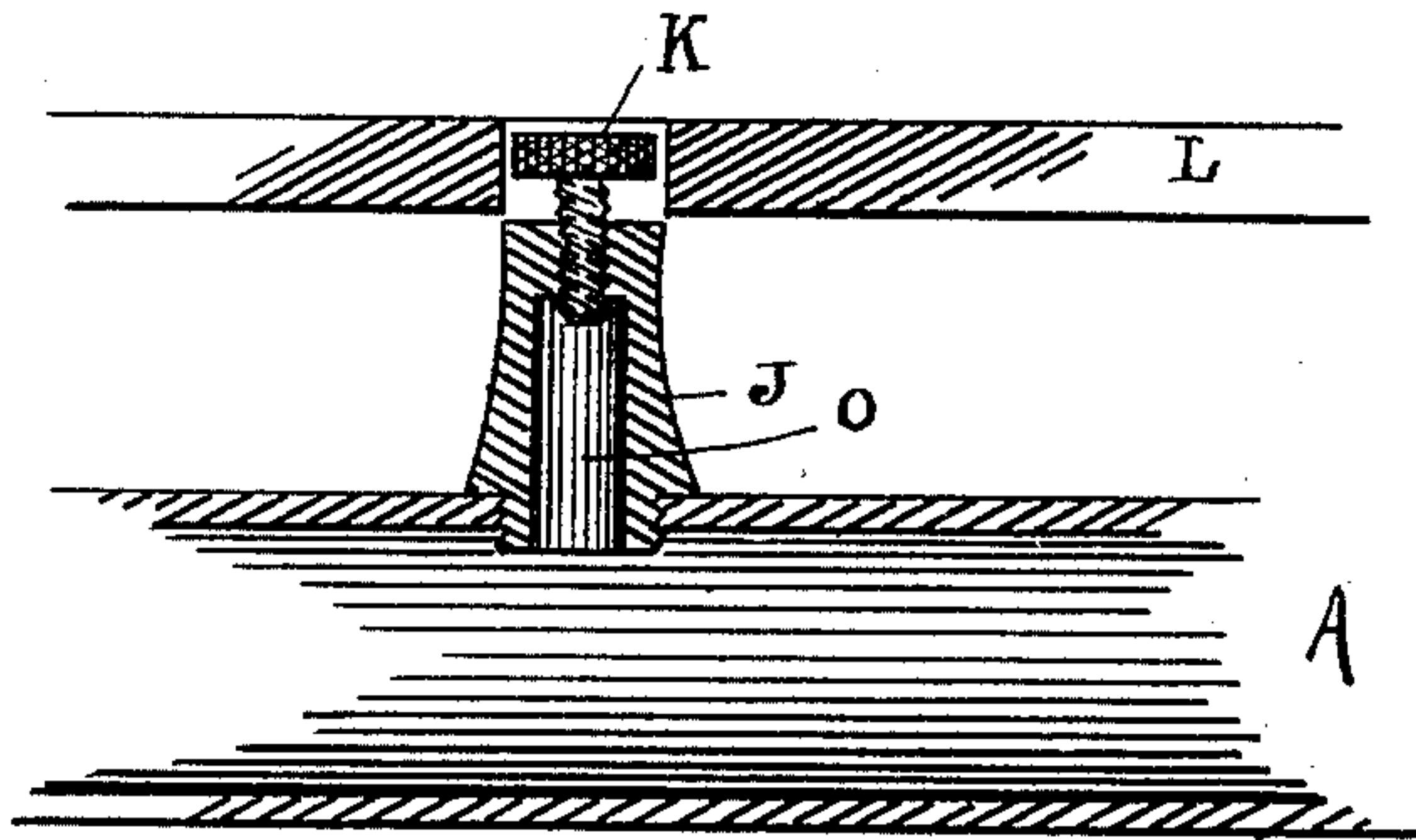
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

H. M. Wells  
A. Keithley

Inventor.

Raymond P. Sholl.  
by L. M. Thurlow  
Atty.

# UNITED STATES PATENT OFFICE.

RAYMOND P. SHOLL, OF BARTONVILLE, ILLINOIS.

## SELF-OILING CAR-AXLE.

SPECIFICATION forming part of Letters Patent No. 424,731, dated April 1, 1890.

Application filed February 8, 1890. Serial No. 339,665. (No model.)

*To all whom it may concern:*

Be it known that I, RAYMOND P. SHOLL, a citizen of the United States, residing at Bartonville, in the county of Peoria and State of Illinois, have invented certain new and useful Improvements in Self-Oiling Car-Axles; and I do hereby 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.

This invention relates to improvements in self-oiling car-axles.

The object of the invention is to furnish means whereby the constant oiling of the bearings may be overcome.

Reference may be had to the annexed drawings, making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a plan view showing a part section of my device. Fig. 2 represents a side view of my invention, showing a box or receptacle attached thereto. Fig. 3 is a sectional elevation of part of my invention, showing an oil-receiving tube.

In the drawings, A represents a tube or pipe of the required length and diameter, which is screw-threaded at either end and which is adapted to enter a threaded cavity formed in a casting C, as shown at Fig. 1. This casting C is made in one piece with the axle D and plate B, which carries, by means of bolts M M, Fig. 2, a box or receptacle L. A receiving tube or conduit J, Figs. 2 and 3, is secured to the tube A by the best means, and has formed in its interior a channel O, Fig. 3. This conduit J is also provided with a set-screw K, which may be removed and replaced at will through a hole in the floor of the box or receptacle L.

In Figs. 1 and 2, G represents a channel bored longitudinally through the interior and beneath the plate B of the casting C in a direction running from the end of the tube or pipe A to end of the axle D. The channel G continues in this direction until it reaches a point midway between the shoulder D' and end of axle D, where it turns at right angles to the length of the said channel G and terminates at a point E on the periphery of said axle D.

The operation of my device is as follows: The set-screw K, Figs. 2 and 3, is removed. The oil is poured in through channel O of the tube J and runs into the containing-tube A. Then tube A is half-filled. The oil being on a level with channel G runs along said channel and flows out at the opening E into the bearing parts of the wheel.

The tube may be filled entirely up with oil, and by this means last many weeks without replenishing or needing any care whatever.

This device is intended for use on mining-cars, but may be used on all other vehicles as well.

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

In a self-oiling axle, the combination of the containing-tube A in rigid connection with the part composed of the casting C, axle D, and plate B, said casting having formed in its interior a channel G, as set forth and described.

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

RAYMOND P. SHOLL.

Witnesses:

CHARLES A. KIMMEL,  
H. W. WELLS.