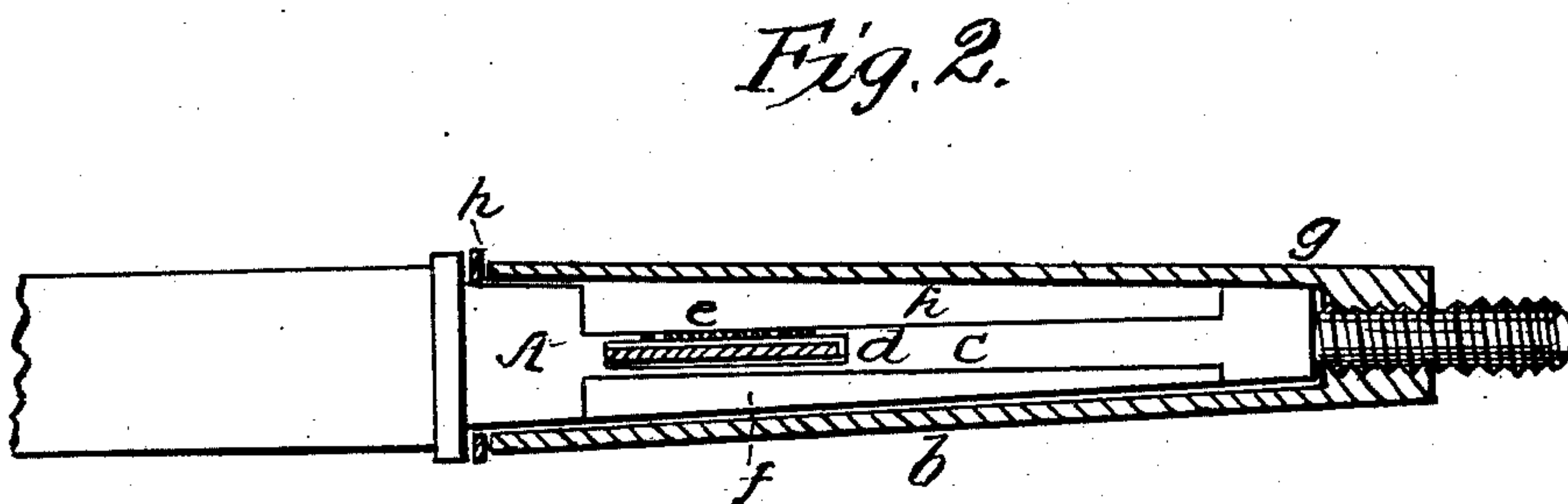
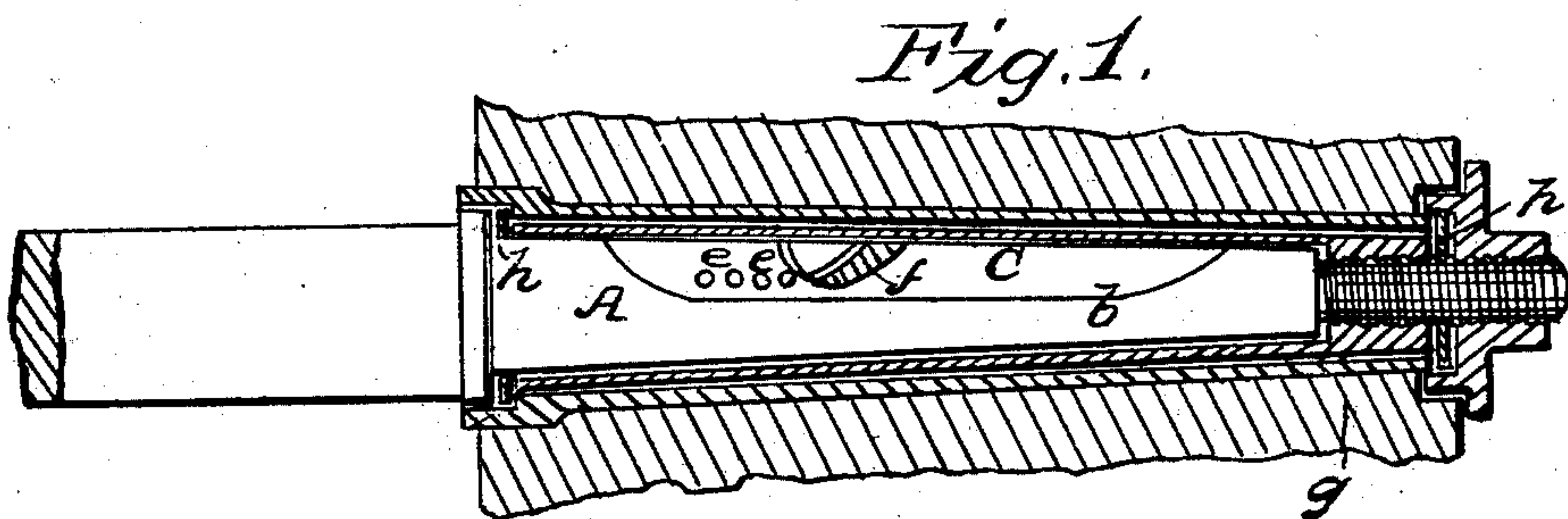


C. G. BACHELDER.  
Wagon-Axle Lubricator.

No. 82,068.

Patented Sept. 15, 1868.



Witnesses.  
Wm. A. Morgan  
G. C. Cotton

Inventor.  
C. G. Bachelder.  
per Munn & Co.  
Attorneys

# United States Patent Office.

C. G. BACHELDER, OF CAMDEN, MAINE.

*Letters Patent No. 82,068, dated September 15, 1868.*

## IMPROVED WAGON-AXLE.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, C. G. BACHELDER, of Camden, in the county of Knox, and State of Maine, have invented a new and useful Improvement in Wagon-Axles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

The object of this invention is to provide an improved means for lubricating wagon-axles.

It consists in providing an oil-recess in the body of the journal of the axle, and a sleeve which is put on over the axle oil-tight, to confine the oil in the recess, having a slot communicating with the recess in the axle, through which the oil is fed by a wick to the wearing parts.

Figure 1 represents a sectional elevation of my improvement.

Figure 2 represents a horizontal section of the sleeve, and a plan of the journal.

Similar letters of reference indicate corresponding parts.

A represents the journal, having a longitudinal recess, *b*, which is divided into two parts by the rib *c*, which also has a recess, *d*, for the wick, through the walls of which, near the bottom, there are holes, *e*, communicating with the recess *b*, for the admission of oil to the wick *f*, in the recess *d*.

*g* represents a metallic cap fitted to the journal, and provided with leather or other suitable packing-rings, *h*, to prevent the oil from escaping at the ends.

It is also provided with a slot coinciding with the slot *d*, through which the wick is designed to convey the oil to the box.

The oil being supplied to the chamber *b*, when the wheel is removed, will be retained therein and fed to the wearing parts by the wick only when the wheels are in motion, thereby constituting a self-feeding apparatus of very simple construction, which will be very reliable and economical in operation.

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

1. The combination, with an axle provided with an oil-recess, *b*, of the cap *g*, arranged oil-tight therein, and provided with a slot for the wick, substantially as and for the purpose described.

2. The recess *b*, provided with the dividing-rib *c*, having a recess, *d*, for the wick, communicating with the recess *b* by the holes *e*, substantially as and for the purpose set forth.

The above specification of my invention signed by me, this 20th day of July, 1868.

C. G. BACHELDER.

Witnesses:

HIRAM BASS,  
H. O. MILLS.