

(No Model.)

R. FAAS.
CAR AXLE LUBRICATOR.

No. 389,372.

Patented Sept. 11, 1888.

Fig. 1.

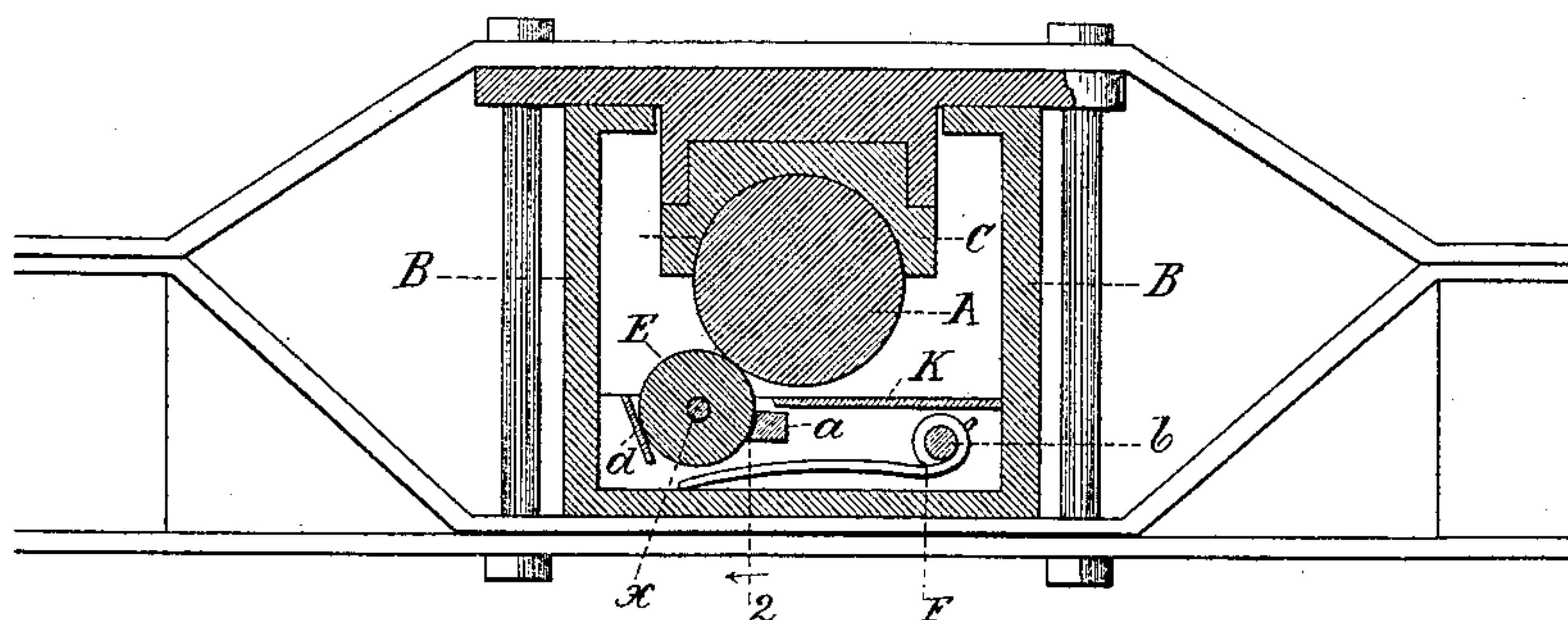


Fig. 2.

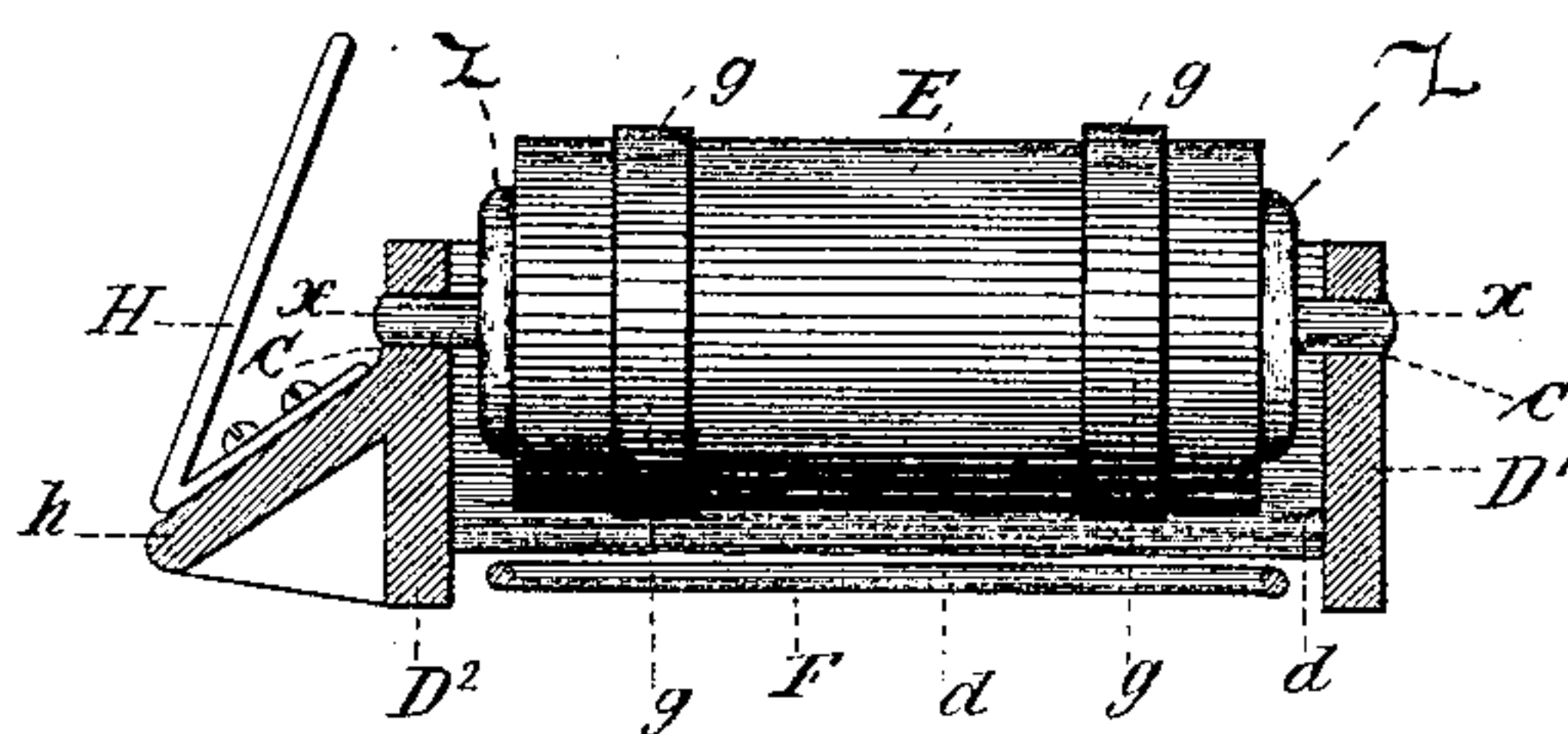
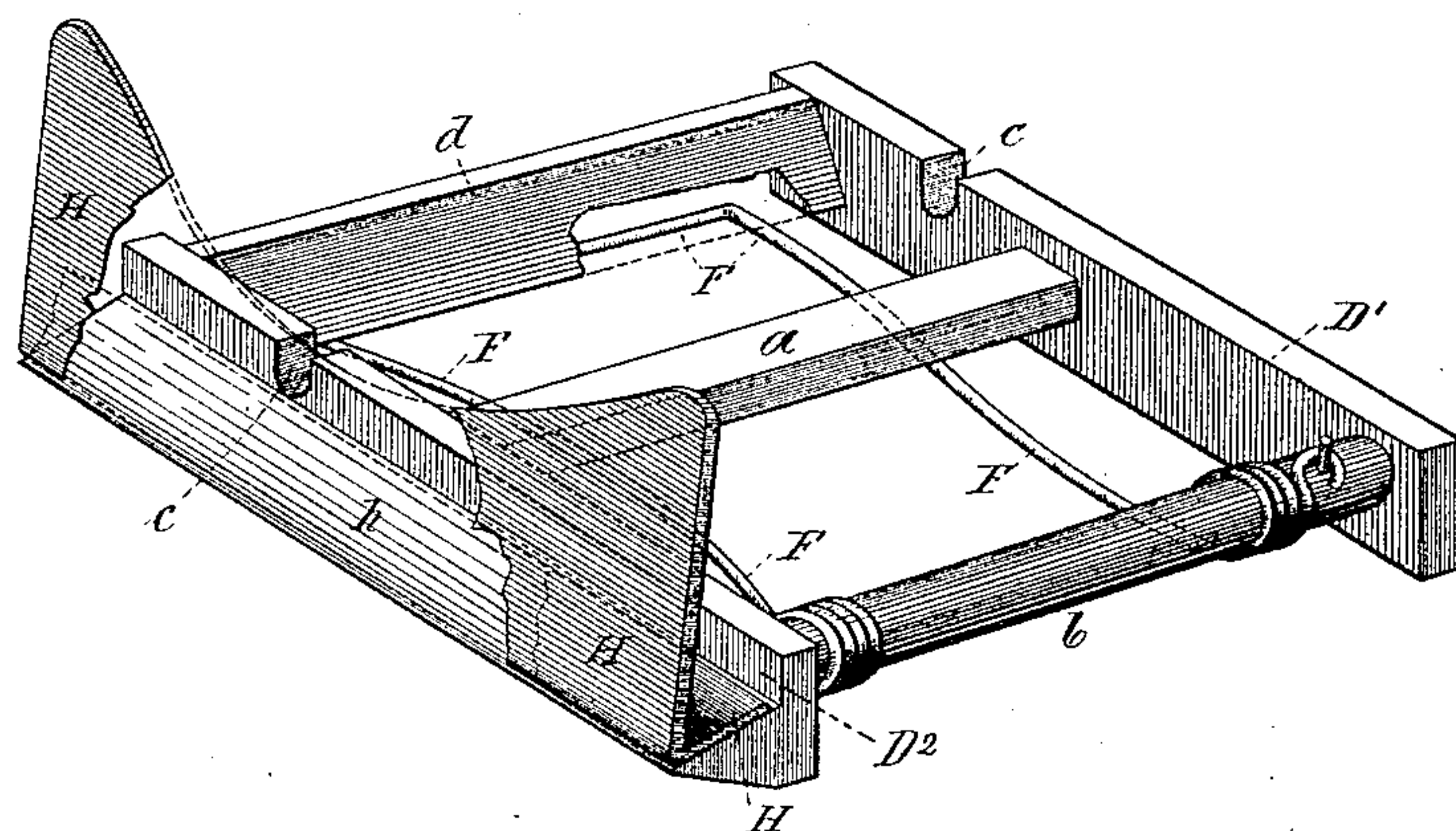


Fig. 3.



Witnesses,
Kupperley
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Rudolph Faas, Inventor,
By *H. C. Hunsberger*,
his Attorney.

UNITED STATES PATENT OFFICE.

RUDOLPH FAAS, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE STANDARD
CAR AXLE LUBRICATOR COMPANY, OF SAME PLACE.

CAR-AXLE LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 339,372, dated September 11, 1888.

Application filed December 16, 1887. Serial No. 258,136. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH FAAS, a citizen of the United States of America, residing in the city of Chicago, county of Cook, and State of Illinois, have invented a new and useful device and Improvement in Car-Axle Lubricators, of which the following is the specification.

The objects of my invention are to more perfectly confine the lubricant in the car axle box, protect it from accumulations of sand, dust, or other gritty substances, and to add to the strength and durability of the roller. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a vertical cross-section of a car-axle box, showing my device therein and its relation to the car-axle journal. Fig. 2 is a sectional view on line 2, Fig. 1. Fig. 3 is a plan view of the frame of the device with the roller removed.

Similar letters refer to similar parts throughout the drawings.

In the construction of my device I use two bars, D' D^2 , which, joined together by two bolts, a b , and flat rubbing-bar d , constitute the frame of my device, on which is journaled the roller E .

Underneath the frame above mentioned I place a steel spring, F , which is formed of one piece of steel wire bent in the form of a bow and having the two ends coiled and affixed to the bolt b , which elevates the frame and roller and causes it to engage with the car-axle journal A , keeping it continuously lubricated.

For a more complete description of the method of construction of my lubricating device I refer to my application filed in the Patent Office August 11, 1887, for which Letters Patent were issued on the 27th day of December, A. D. 1887, bearing No. 375,700.

As an additional improvement thereto and to increase the efficiency of the device above patented, I attach to the upper side of the

apron h on the bar D^2 or to the bar D' (or to both when it may best suit my purpose) a vertical thin brass plate or shield, H , which is cut circular in form on its upper edge, so as to conform with the exposed segment of the journal A , and fits closely to the same.

In the usual method of construction of the car-axle box B the rear end thereof and occasionally both ends contain an aperture or opening through which dust and sand enter the journal box and are deposited on the car-axle journal A and in the lubricating material. The brass plate or shield H above described is intended to cover the apertures in the journal-box A , whether in one or both ends of the same, and thus more effectually confines and protects the lubricant as well as the car axle journal. To the axle X of the roller E , in addition to the flanges Z Z on the end of the same, I place the two flanges or washers g g , of brass, (to increase the durability and strength of the roller.) On the spool thus constructed I wind canvas, cloth, felt or other porous material to form the roller of my improved device.

Being aware that heretofore lubricators have been constructed by having rollers of various kinds engage with the car-axle journal, I do not in this specification claim such a combination, broadly; but

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

In the construction of a car-axle-lubricating device in which a roller engages with the car-axle journal, the frame in which the roller is journaled having on its sides and projecting vertically a thin brass plate or disk, so as to cover or close the apertures in the sides of the car-axle box, as and for the purpose above specified.

RUDOLPH FAAS.

Witnesses:

H. HUNSBERGER,
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