

No. 674,925.

G. W. LOVEJOY.
WHEEL.

Patented May 28, 1901.

(Application filed Feb. 5, 1901.)

(No Model.)

Fig. 1.

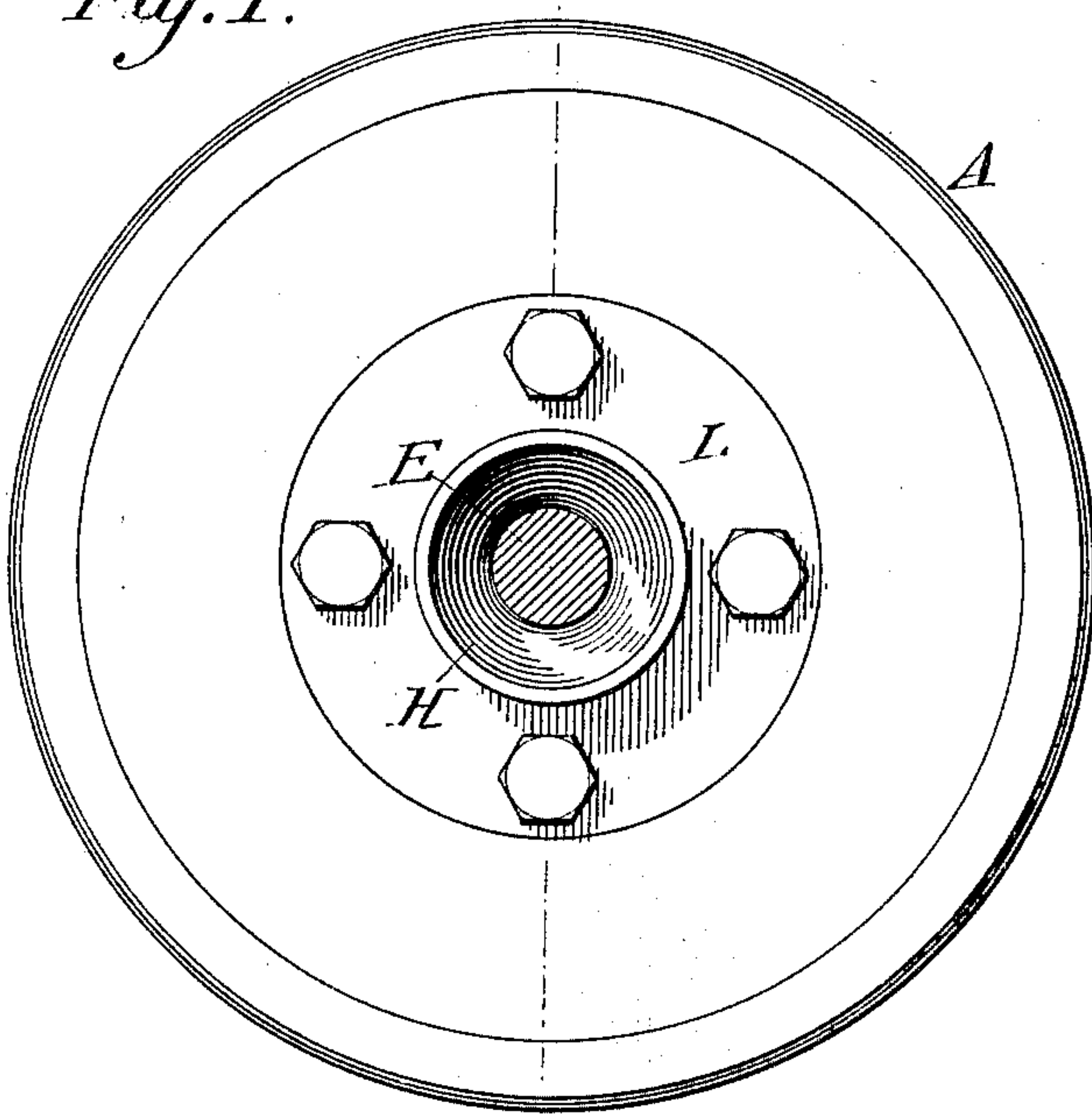
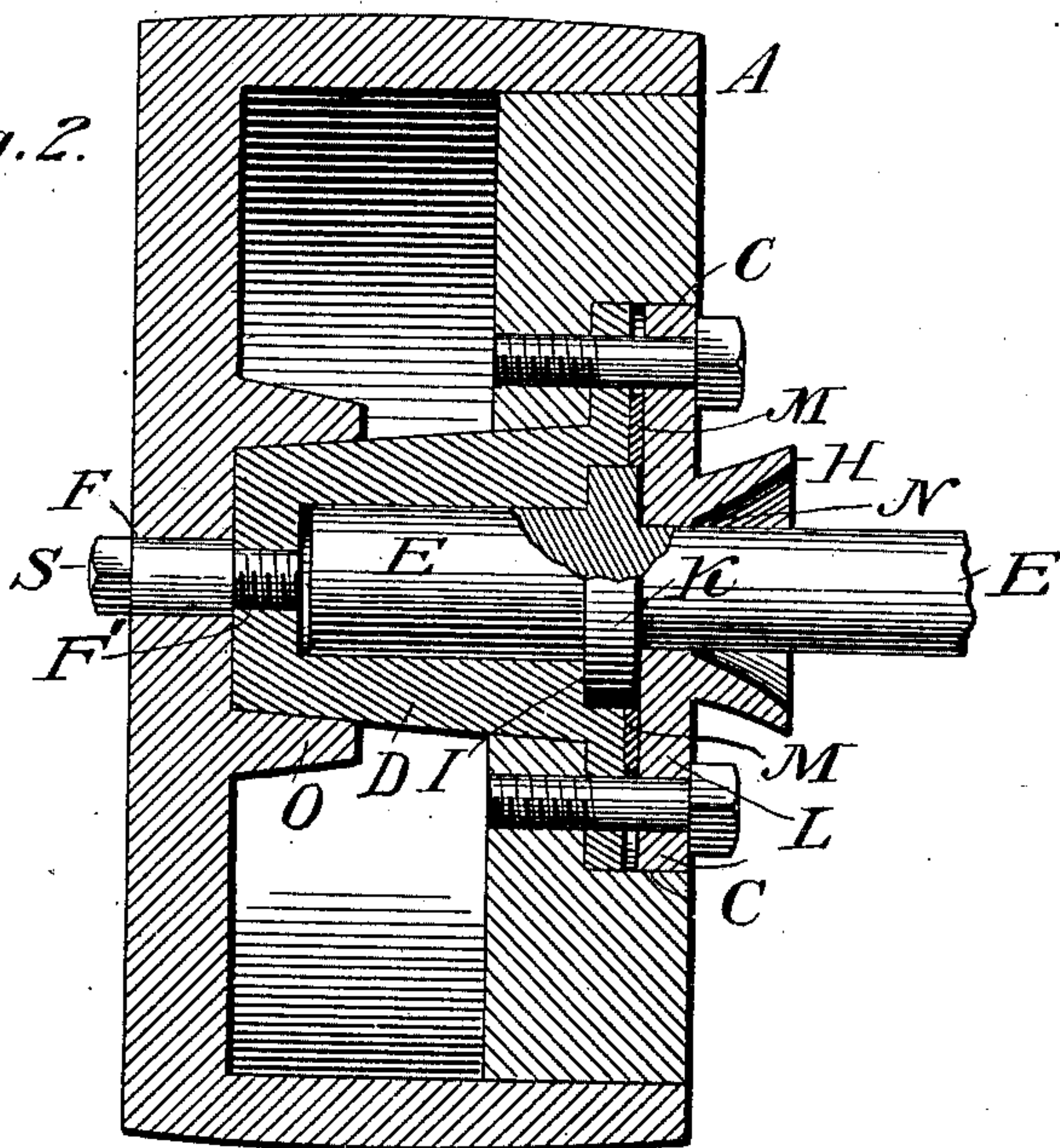


Fig. 2.



Witnesses,
Albert Andler
John W. Fletcher.

Inventor,

George H. Lovejoy

UNITED STATES PATENT OFFICE.

GEORGE WALTER LOVEJOY, OF TEHACHAPI, CALIFORNIA.

WHEEL.

SPECIFICATION forming part of Letters Patent No. 674,925, dated May 28, 1901.

Application filed February 5, 1901. Serial No. 46,145. (No model.)

To all whom it may concern:

Be it known that I, GEORGE WALTER LOVEJOY, a citizen of the United States, residing at Tehachapi, in the county of Kern and State of California, have invented a new and useful Wheel with Box and Axle in Combination, of which the following is a specification.

Figure 1 is an elevation of wheel with box and axle in place. Fig. 2 is a sectional view of wheel, showing the working parts of box and axle.

The box is closed at one end, is dirt-proof, and carries oil for oiling axle. I obtain these results by the mechanism shown in the accompanying drawings, in which when box and flange are in place they make a wheel inclosed with flush ends. On one end of A in center is hole F to correspond with hole F in the closed end of box D for oiling axle E. On the other end of A near center is a recess C. The flange of box D is bolted to wheel A at C. The inside end of box D is held in projection O on the inside of A. Plug S passes through hole F on wheel A and screws in F in end of box D. This keeps oil from running out of box D.

In box D is recess I, in which runs collar K, fast on axle E. Collar K is held in box D by flange L, bolted to wheel A in recess C through holes in flange of box D.

The outer end of axle E passes through flange L. The bearing of axle E is larger than the outer end where it passes through flange L.

A soft washer M is placed between flange L and flange on box D. Washer M forms a chamber in box D, which carries oil when D and L are fast on A.

On the outside of flange L is projection H to keep dirt from falling on axle E.

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

A pulley comprising end pieces, one of which has an inward projection and the other recessed on its outer side; an axle-box having its front end supported by said projection and a flange fitting in the aforesaid recess; means to retain the flange in the recess and means whereby lubricant may be permitted insertion in the box substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE WALTER LOVEJOY.

Witnesses:

GUS WEFERLING,
L. S. ROGERS.