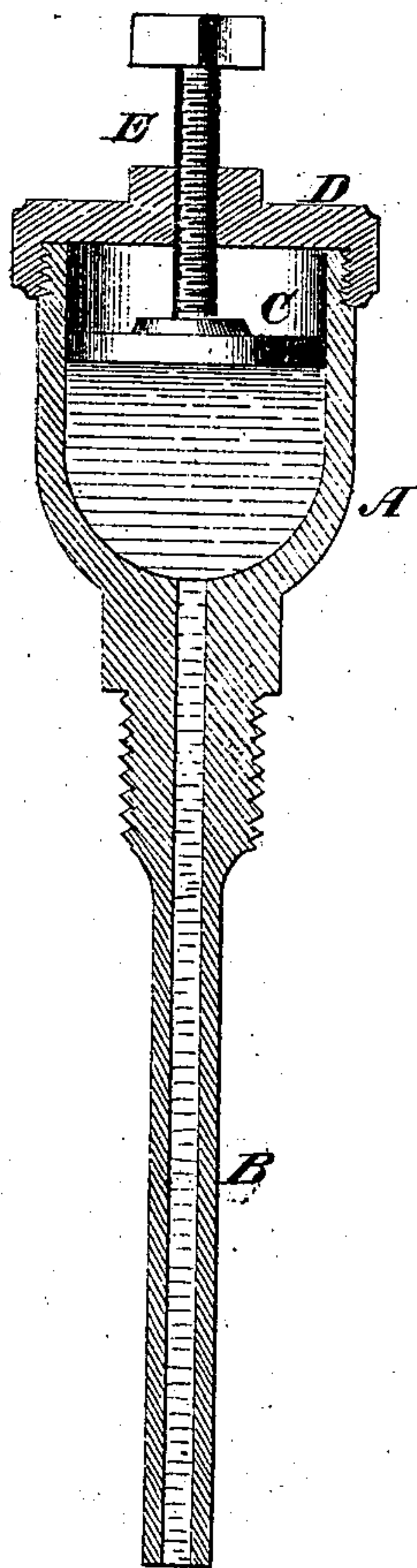


S.S. Vollum & W.H. Green. Lubricator.

109977

PATENTED DEC 6 1870



Witnesses
Josiah Dutcher
E. S. Mabie

Inventor:
S. S. Vollum
W. H. Green
PER *M. M. Co.*
Attorneys.

UNITED STATES PATENT OFFICE.

SAMUEL S. VOLLUM AND WILLIAM H. GREEN, OF NEW YORK, N. Y.

IMPROVEMENT IN CARRIAGE-WHEEL LUBRICATORS.

Specification forming part of Letters Patent No. 109,977, dated December 6, 1870.

To all whom it may concern:

Be it known that we, SAMUEL S. VOLLUM and WILLIAM H. GREEN, of the city, county, and State of New York, have invented a new and Improved Lubricator; and we 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 part of this specification.

This invention relates to a new and useful improvement in a device for conveying lubricating material or substances—as tallow, grease, or other semi-liquid or solid substances—to the arms of carriage-axles, or to journals, boxes, or bearings; and it consists in a lubricating-cup with a tubular stem, and in a tight-fitting cap thereon, and in a piston or follower therein, with a screw-rod working through the cap, as hereinafter more fully described.

The accompanying drawing represents a longitudinal section of our lubricator.

A is the cup.

B is the tubular stem, the upper portion of which is provided with a screw-thread for attaching the lubricator to the hub of a carriage or wagon wheel. The length of the stem B depends upon the circumstances under which the lubricator is used.

C is the piston or follower.

D is the cap, which screws tightly on the cup A.

E is the piston-rod, which works through the cap with a screw-thread.

The lubricating material is placed in the cup after removing the cap and piston. The cap is then screwed down tightly, and the semi-fluid or solid lubricating material is forced from the cup by screwing down the piston. The piston or follower is designed to work tightly in the cup, so that the power applied in screwing down the piston serves to force the material from the cup and onto the frictional surface by a positive motion, thus rendering clogging or gumming of the orifice impossible.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of solid cap D, solid disk C, cup A, and pipe B, each constructed and relatively arranged as and for the purpose specified.

The above specification of our invention signed by us this 28th day of March, 1870.

SAMUEL S. VOLLUM.
WILLIAM H. GREEN.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS