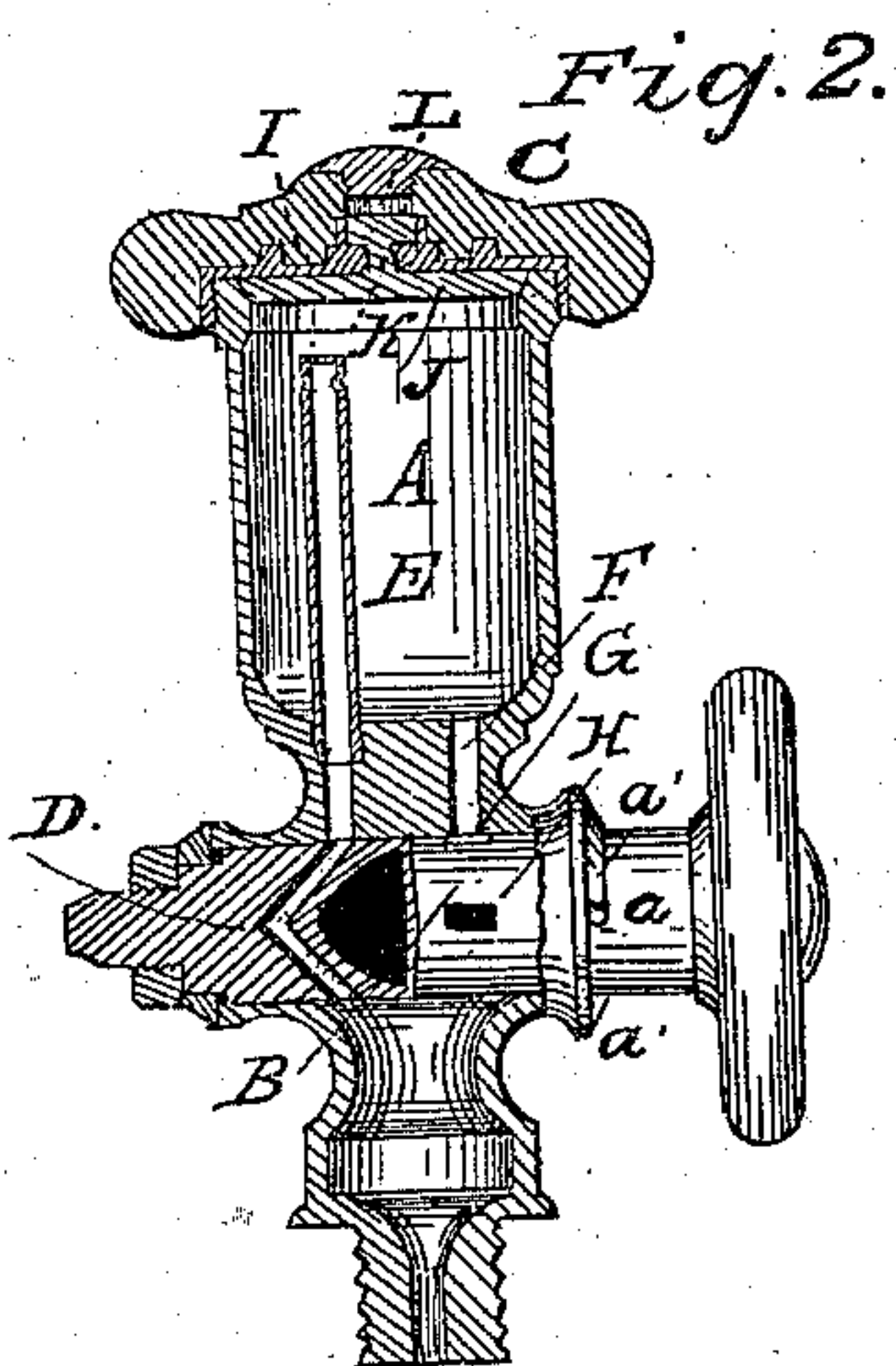
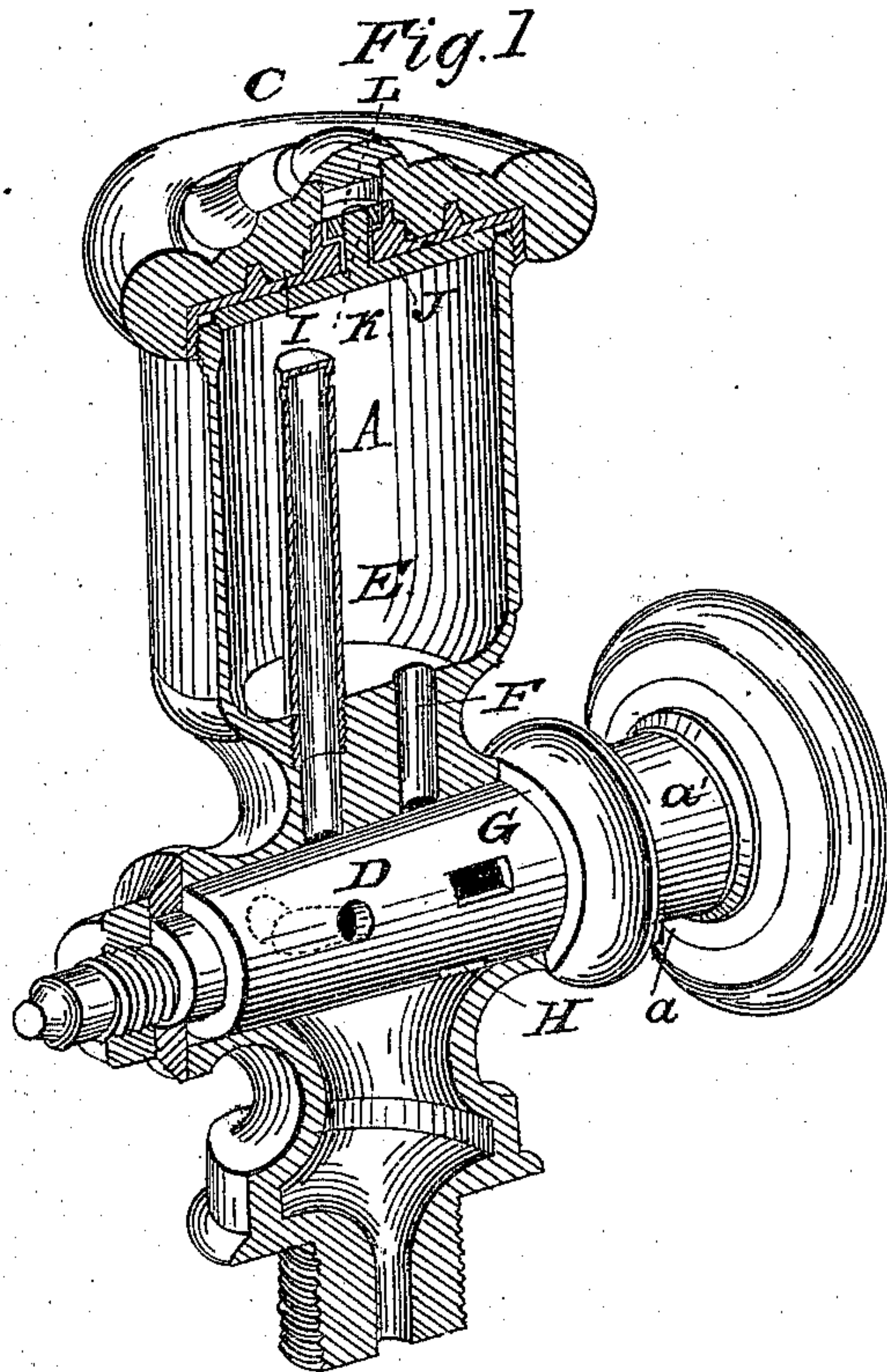


T. J. NOTTINGHAM.

Lubricator.

No. 100,437.

Patented March 1, 1870.



Attest.
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UNITED STATES PATENT OFFICE.

THOMAS J. NOTTINGHAM, OF CINCINNATI, OHIO.

IMPROVEMENT IN LUBRICATORS.

Specification forming part of Letters Patent No. **100,437**, dated March 1, 1870.

To all whom it may concern:

Be it known that I, THOMAS J. NOTTINGHAM, of Cincinnati, Hamilton county, State of Ohio, have invented certain new and useful Improvements in Tallow-Lubricators; and I hereby declare the following to be a sufficiently full, clear, and exact description thereof to enable one skilled in the art to which my invention appertains to make and use it, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the class of tallow-lubricators having a chamber for holding the tallow in bulk and a hollow feeding-plug for containing and discharging a limited quantity; and it consists of a peculiar construction and arrangement of ports for the conduction of steam and ports for the reception and discharge of tallow from the plug, whereby the steam is only used to press the tallow from the holder into the hollow plug and is entirely cut off when the plug is turned so as to communicate with the parts to be lubricated.

My invention further consists of a peculiar construction of cap or cover for the chamber or cup.

In the accompanying drawings, Figure 1 is a sectional perspective view of a lubricator embodying my invention. Fig. 2 is an axial section of the same.

A is the cup or general receiver for the tallow; B, the hollow plug, and C the cap for the cup. The plug is arranged to have a quarter-revolution motion, being limited by the stop *a* and shoulders *a'*. The plug is cast or otherwise formed hollow, and has a port, D, cast or drilled through it for the communication of steam to the upper chamber, A, for the purpose of heating and melting the tallow and forcing the same down into the hollow plug B. The steam is carried up through the interior pipe, E, which is stopped at the upper end and perforated at the sides near the end, as shown.

F is a port for the passage of tallow from the cup A to the hollow plug.

The port D is constructed V-shaped in order to permit of the formation of a large cavity in the plug. The plug has two side ports cut through the shell surrounding the cavity, which are marked G and H, the port G being provided to conduct tallow, &c., to the plug from the cup, and the port H to convey the same, when the plug is turned, to the parts to be lubricated. It will be seen that when the plug is turned so that the port H is in communication with the general discharge of the cup the port G is cut off from connection with the cup A, in order that no more tallow may be discharged than the cavity in the plug contains, and the steam-connection is at the same time cut off from the cup.

The cap C is provided with a metallic facing, I, which screws on the cup in the manner shown, and is also fitted with a swiveling plate, J, which is designed to "seat" on the top of the cup and make a steam-tight joint. The plate is connected to the cap by means of stem K and nut L.

I claim herein as new and of my invention—

1. In the described connection with the cup A, steam pipe or port E, and port F, the hollow plug B, when provided with V-shaped port D and ports G H, the whole being constructed, combined, and arranged substantially in the manner and for the purpose specified.

2. The cap C, when provided with the swiveling disk-valve J, for the purpose set forth.

In testimony of which invention I hereunto set my hand.

T. J. NOTTINGHAM.

Witnesses:

J. L. WARTMANN,
CHARLES PICKLES.