

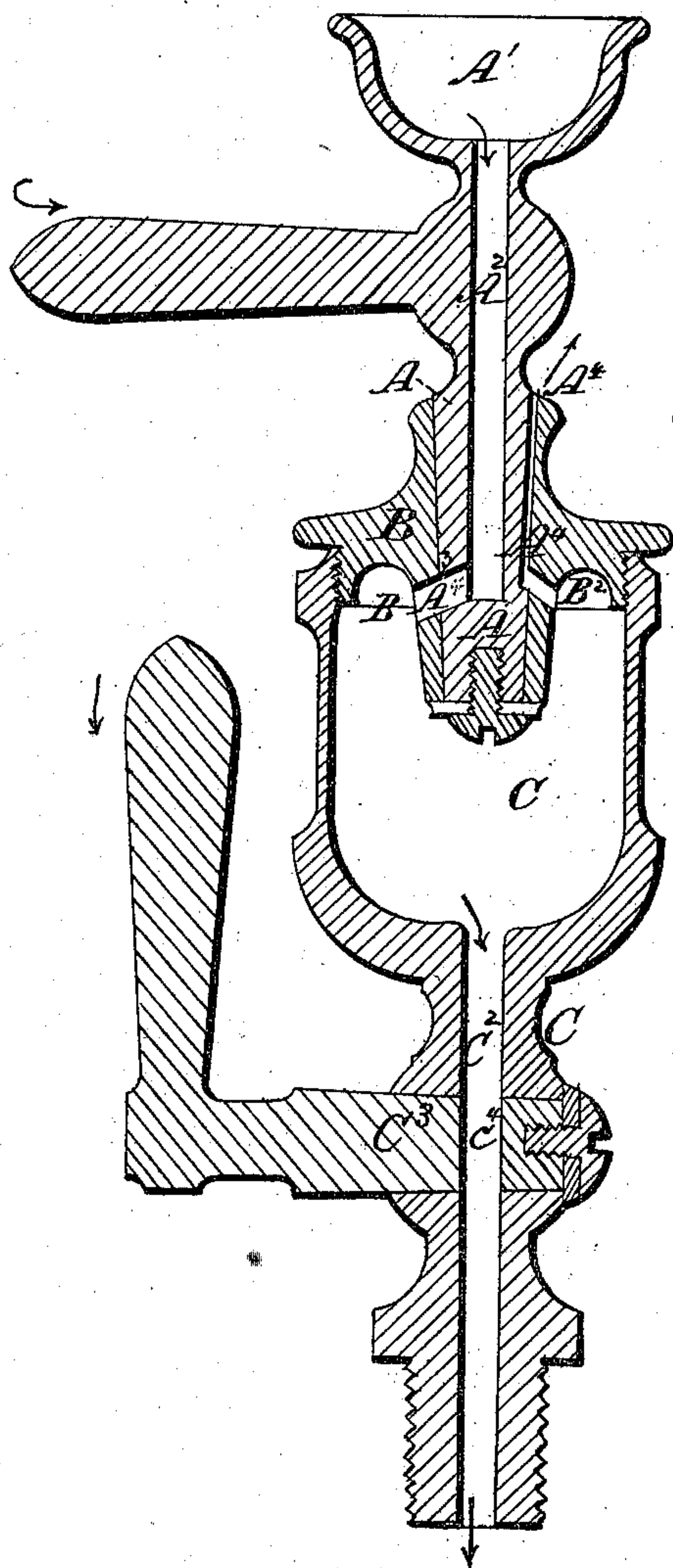
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Lubricator

N^o 89,865.

Patented May 11, 1869.

Fig. 1.



WITNESSES.
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Letters Patent No. 89,865, dated May 11, 1869.

IMPROVEMENT IN LUBRICATOR.

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

To all whom it may concern:

Be it known that we, JOHN W. HEWITT and ROBERT HEWITT, of Allegheny City, in the county of Allegheny, and State of Pennsylvania, have invented certain new and useful Improvements in Oil-Cups; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Our invention relates to improvements in that class of oil or grease-cups used for lubricating steam-cylinders, or such like devices, under a pressure of steam.

To enable others skilled in the art to make and use our devices, we will proceed to describe their construction and operation.

In the accompanying drawings—

Figure 1 is a vertical section of our improvement in oil-cups.

Like letters of reference denote corresponding parts.

The nature of our invention consists in providing an ordinary plug, A, which has a basin, A¹, at its upper extremity, with a passage down its centre, A², and an elbow-turn and aperture, A³, near its base.

On the opposite side of the plug A, we provide a slot or crevice, A⁴, by also providing a lid or cover, B, of any suitable construction, which has two apertures, B¹ and B², right in a line, and opposite to each other, and so arranged that the aperture A³ of the plug A, will be opposite the aperture B of the lid B, and the crevice A⁴ be opposite the aperture B² of the lid B, which screws, in any suitable manner, into a reservoir, C, of ordinary construction, which is part and above a cock or faucet, O¹, of ordinary construction, having a passage, O², running down vertically, and a plug, O³, having an aperture, O⁴, corresponding to the passage O² of the cock O¹.

Difficulty has been hitherto found in lubricating with the ordinary oil-cups, in consequence of air being

contained in the main reservoir, which has to be expelled before the oil can flow easily downwards.

The mode of operating with our devices is as follows, viz:

By closing the plug O³ of the cock O¹, so that it will shut off communication with the reservoir C, by means of the passage O², and oil being placed in the basin A¹, by pulling the plug A around one-quarter turn to the right hand, the air contained in reservoir C will pass out by means of the aperture B² of the lid B, and crevice A⁴ of the plug; and at the same time, and by the same operation, the oil will flow, from basin A¹, down passage A², through apertures A³ and B¹, into the reservoir C. Then, by operating the plug A reversely, and opening the plug O³ of the cock O¹, the oil flows, through the passages O² and O⁴, into the place required.

As hitherto oil-cups have been constructed, a supplementary cock has been attached to the reservoir, which has to be opened prior to manipulating the oil-cock. By our devices, both the oil is let in, and the air expelled by the same device, and at the same operation, saving both time and labor.

Having thus described the nature, construction, and operation of our improvements in oil-cups,

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

The arrangement of the plug A with the passage A², aperture A³, and crevice A⁴, lid B, and apertures B¹ and B², with the reservoir C, cock O¹, and plug O³, when constructed, combined, arranged, and operating substantially as herein described, and for the purpose set forth.

In testimony that we claim the foregoing as our own, we affix our signatures, in presence of two witnesses.

JOHN W. HEWITT.
ROBERT HEWITT.

Witnesses:

PERCEVAL BECKETT,
JOHN P. CLARK.