

No. 639,819.

Patented Dec. 26, 1899.

J. C. MAASS.
LOCK LUBRICATOR.

(Application filed June 20, 1899.)

(No Model.)

Fig. 1.

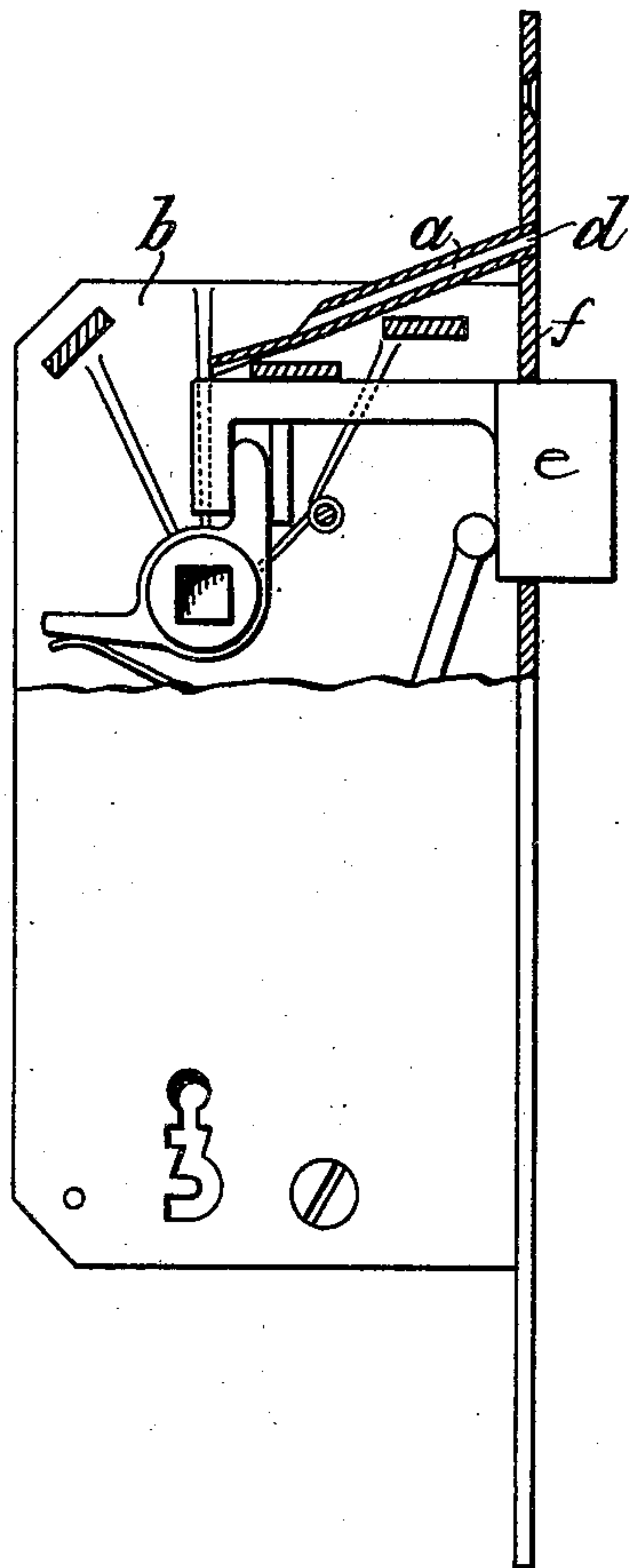
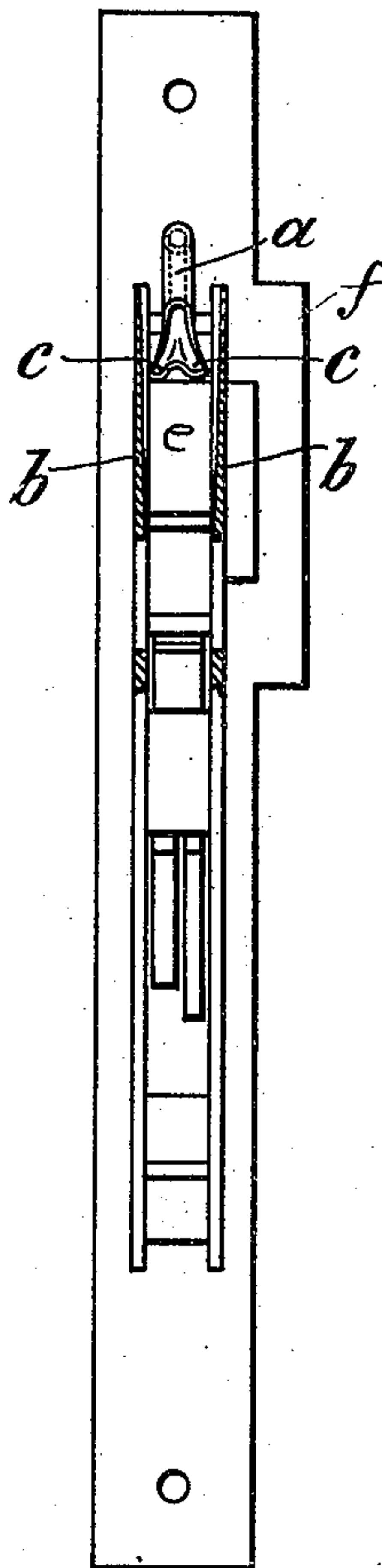


Fig. 2.



Witnesses:
William Miller
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UNITED STATES PATENT OFFICE.

JOHANN CHRISTOPH MAASS, OF BREMEN, GERMANY.

LOCK-LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 639,819, dated December 26, 1899.

Application filed June 20, 1899. Serial No. 721,189. (No model.)

To all whom it may concern:

Be it known that I, JOHANN CHRISTOPH MAASS, a citizen of Germany, and a resident of Bremen, Germany, have invented new and useful Improvements in Locks, of which the following is a specification.

This invention relates to an improvement in locks of any kind, especially door-locks, whereby by means of an oil-cup or the like the whole lock, and particularly the nut-hole, may be conveniently and continuously lubricated.

Hitherto it has only been possible to oil a door-lock to a certain extent effectually by loosening the lock or raising the door and placing it edgewise, the lock thus being put upward. Only in that way could the nut of the lock be oiled, and then but scantily or to a barely necessary extent. The operation, however, was always attended by more or less damage to the door unless it were preferred on account of the considerable inconvenience to dispense with the oiling altogether, in consequence of which quite naturally the lock was usually rendered prematurely useless owing to the wearing away of the nut-holes. This invention is intended to obviate all these disadvantages.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of the lock with the face-plate partly broken away, and Fig. 2 an end elevation.

The same parts are lettered to correspond in both figures.

According to this invention the lock is furnished above the bolt *e* with an oil-channel *a*, which may consist of a tube fixed in the face-plate *f* and running obliquely downward. This tube terminates in two grooves or channels *c*, lying closely against the side or cheek plates *b*. By this form of outlet for the tube the oil introduced through the tube-opening *d* on the face-plate *f* is discharged simultaneously at both side or cheek plates. Consequently all the parts of the lock which would otherwise wear away are lubricated in an unquestionably perfect manner, the operation being so simple that any one can perform it without trouble. In the case of complicated locks several lubricators may be employed and the tube-opening in certain contingencies be furnished with a closing contrivance.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

A lock having an oblique oil-channel opening through the end plate, and communicating with a pair of channels that extend along the side plates, substantially as specified.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JOHANN CHRISTOPH MAASS.

Witnesses:

THEO. M. STEPHAN,
W. G. GERLACH.