

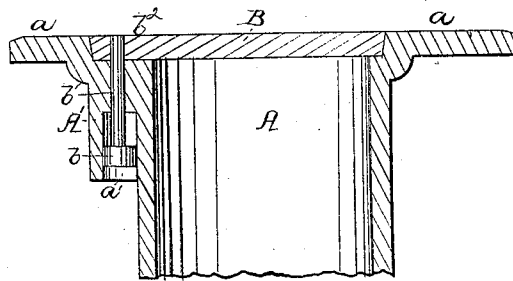
F. Shickle

Hydrant

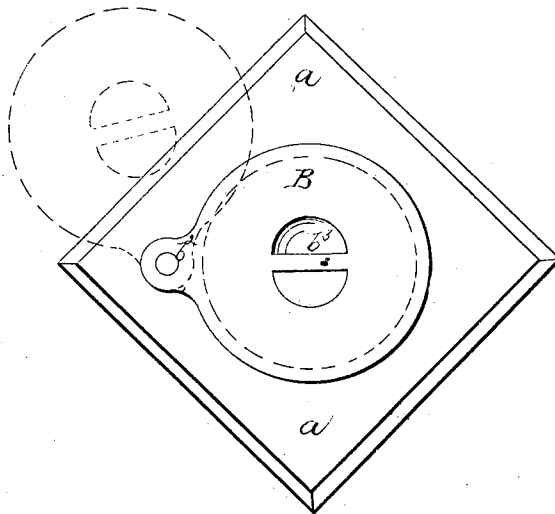
No 84,222.

Patented Nov. 17, 1868.

Fig; 1.



Fig; 2.



Witnesses;
Jno. M. Herthel
George W. Herbert

Inventor;
Federick Shickle

United States Patent Office.

FREDERICK SHICKLE, OF ST. LOUIS, MISSOURI, ASSIGNOR TO
SHICKLE, HARRISON & CO., OF SAME PLACE.

Letters Patent No. 84,222, dated November 17, 1868.

HYDRANT AND GAS-PIPE STOP.

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

To all whom it may concern:

Be it known that I, FREDERICK SHICKLE, of St. Louis, in the county of St. Louis, and State of Missouri, have made certain new and useful Improvements in Cap for Stop-Boxes for Water and Gas-Pipes; and I do hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to a cap-box and cover for the stop-boxes used to enclose the shut-off cocks of gas and water-pipes in cities, which said stop-boxes are usually placed in the street sidewalk, with the cover or cap on a level therewith. These caps, if placed loosely on the stop-boxes, are liable to be disarranged and lost, and if hinged to one side of the box, to rise vertically, they very easily get out of order and broken.

It is to remedy these defects, and produce a cap so hinged and constructed as to be capable of sustaining the rough usage to which these covers are liable, that is the subject of this invention.

To enable those skilled in the art to make and use my improved cap, I will proceed to describe its construction and operation.

Figure 1, of the annexed drawings, is a central sectional elevation of the improved cap.

Figure 2 is a plan of the same, showing the cap swung open by the dotted lines.

The stop-box A has a flange, *a*, at its upper end, in the usual manner, and, in addition to these usual parts, there is a lug, *A'*, attached to one of its sides, near the top, or just below the flange, the bottom part of this lug being cored out at *a'*, so as to form a seat for the head, *b*, of the pivot-pin *b'*, which secures the cap B to the stop-box.

The cap, B, is fitted into a rebating in the upper end

of the box-piece, so as to bring the top of the cap flush with the top of the flange when in its seat. A limb, *b'*, will extend from one side of the cap-piece, so as to receive the pivot-pin *b'*, which will be riveted or otherwise secured in the said limb, in the position clearly shown in the drawings.

The pin *b'* will be of sufficient length to allow the cap to rise entirely out of its rebating in the box, before the head *b* shall strike the top of the chambers *a'*, and when the cap is raised up as high as the head *b* will allow it to go, it may be swung around, as shown by the dotted lines in fig. 2, thus completely uncovering the box.

The cap, B, may be constructed with a lip, overlapping the flange, *a*, which would be a mechanical equivalent for the rebating in the said flange for the formation of the cap-seat.

In like manner, the pivot-pin *b'* may be formed wholly of a pin, or in part of a pin or swivel, and in part of a chain, so as to answer the same purpose as that herein described.

The cap, B, should be provided with a lifting-rail, *b''*, formed by the sunken recesses on either side of it, in the face of the said cap-plate. This lifting-rail may be seized by the person desiring to open the cap, and the plate or cover B raised up thereby.

Having described my invention,

What I claim, is—

The stop-box A, cap B, and their lug *A'* and pivot-pin *b b'*, when constructed and arranged as and for the purpose herein set forth and described.

FREDERICK SHICKLE.

Witnesses:

M. RANDOLPH,
JNO. W. HERTHEL.