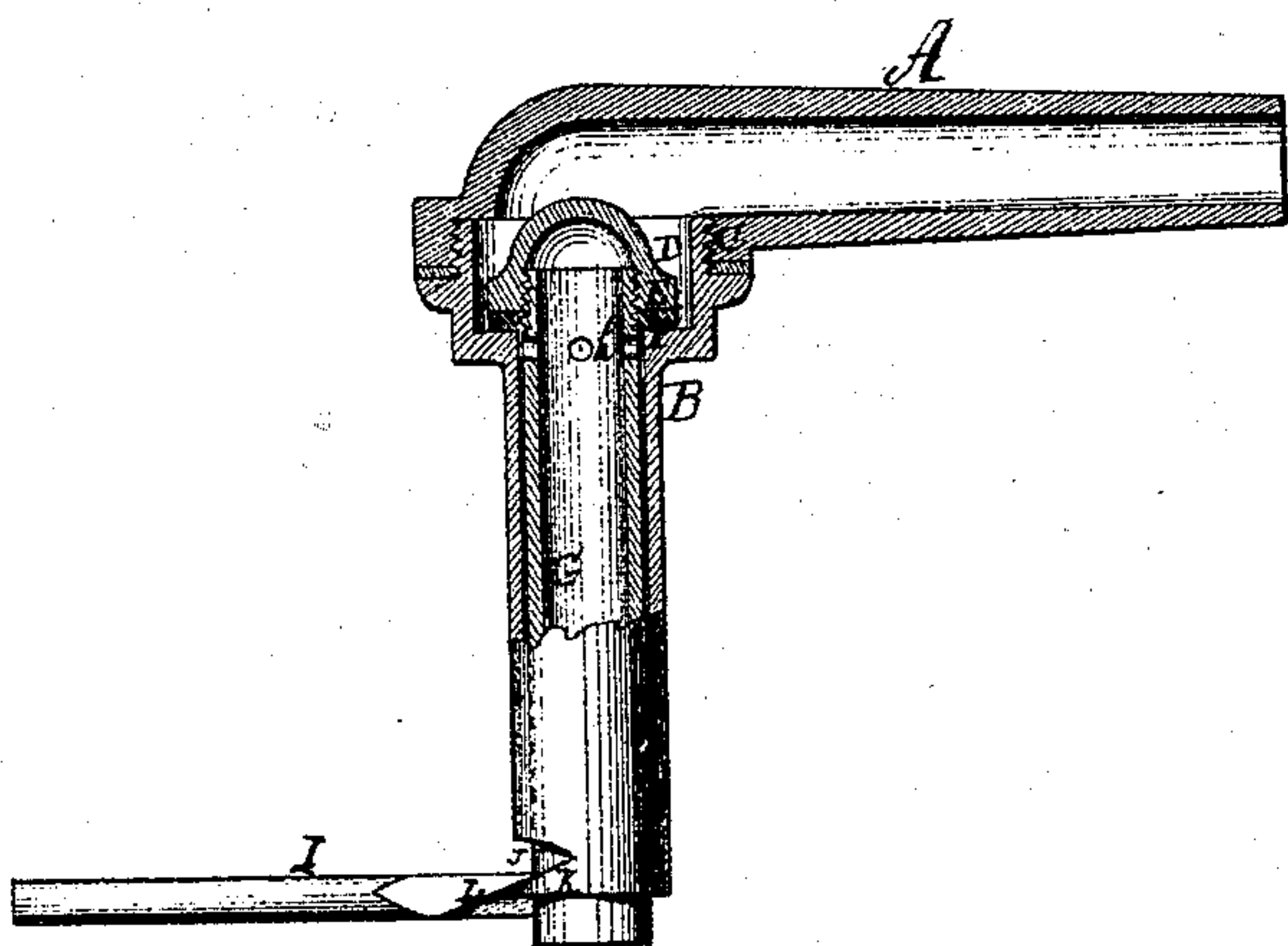


E. Noble,

Faucet.

No. 106,394.

Patented Aug 16. 1870.



Witnesses:

A. Benneimendoff

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United States Patent Office.

EDWARD NOBLE, OF NORTH HAVEN, CONNECTICUT.

Letters Patent No. 106,394, dated August 16, 1870.

IMPROVEMENT IN SELF-CLOSING COMPRESSION FAUCETS.

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, EDWARD NOBLE, of North Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Self-acting Compression Faucet; and I 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 drawing forming part of this specification.

This invention relates to a new and useful improvement in faucets, and consists in an arrangement whereby the faucet-valve is closed by the pressure of the fluid and opened by means of a lever and inclined plane, arranged as will be hereinafter more fully described.

The accompanying drawing represents a faucet (partly in section) constructed according to my invention.

Similar letters of reference indicate corresponding parts.

A is the part which is screwed or fastened into the vessel from which the fluid or liquid is to be drawn.

B is a tube which is connected with A by screw-threads, as seen at C.

D is the valve-chamber, and

E is the valve.

F is the valve-seat.

Packing may be employed on the seat, if desired, as seen in the drawing, or the face of the valve may be ground to the seat.

The valve E is attached to the inner tube G by a screw connection, as seen in the drawing.

h represents orifices in this inner or valve-tube below the seat of the valve.

It will be seen that the valve will be compressed or forced to its seat by the pressure of the water or other liquid, steam or gas, which it may be desired to discharge, the design being to apply the faucet or valve

only when there is a head or pressure to force the valve to its seat.

When the valve is raised the water or other fluid will find its way from the chamber D beneath the valve through the holes h, and be discharged from the lower end of the tube G.

I is a lever, which is rigidly attached to the tube G.

J is a recess cut in the bottom end of the outer tube B.

K is an inclined plane.

One edge of the lever O is wedge-shaped, as seen at L.

The under side of this wedge engages with the inclined plane when the lever is turned to open the valve, the effect of which is to raise the tube G, and, consequently, the valve from its seat, and thus allow the water to flow through the faucet.

The valve may be closed by turning back the lever, or the pressure on the valve may be sufficient to force the lever down the inclined plane.

By this arrangement it will be seen that no spring is employed, the pressure of the water or other fluid being sufficient to keep the valve closed and tight at all times.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The combination of the tubes A and B, and the chamber D, with the valve E and tube G, the whole being arranged to operate substantially as and for the purposes set forth.

The above specification of my invention signed by me this 15th day of December, 1869.

EDWARD NOBLE.

Witnesses:

GEO. W. MABEE,

ALEX. F. ROBERTS.