(No Model.)

I. M. JONES.

PIPE NIPPLE HOLDER.

No. 289,419. Patented Dec. 4, 1883.

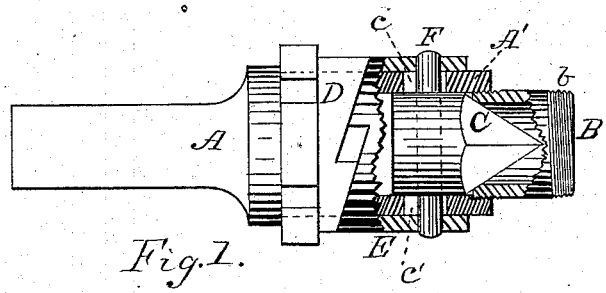

Fig. 1.

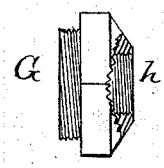

Fig. 2.

Witnesses:
Jos. Winn
John C. Crowell

Inventor:
Edwd. M. Jones

UNITED STATES PATENT OFFICE.

IDWAL M. JONES, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR OF ONE-HALF TO IRA WINSOR, OF SAME PLACE.

PIPE-NIPPLE HOLDER.

SPECIFICATION forming part of Letters Patent No. 289,419, dated December 4, 1883.

Application filed June 11, 1883. (No model.)

To all whom it may concern:

Be it known that I, IDWAL M. JONES, a subject of the Queen of Great Britain, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Pipe-Nipple Holder, of which the following is a specification.

My invention relates to improvements in holders for holding what are known in the art as "pipe-nipples," which are short pieces of pipe with screw-threads on each end; and the objects of my improvements are, first, to hold a pipe-nipple securely while it is having a screw-thread cut on its end; second, to facilitate securing said nipple to and releasing it from the holder. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is an elevated and sectional view of the holder, and Fig. 2 a view of a bushing to be used in the holder for small pipe-nipples.

The body A A′ of the holder has the part A′ constructed in the form of a hollow cylinder, inside of the end of which is cut a screw-thread, and into which is screwed the nipple B, upon which is to be cut the screw-thread *b*. The movable block C is fitted to slide inside of the hollow cylinder A′, having its outer end constructed in the form of a pointed wedge, with three or more edges extending from the portion that fits the cylinder to the point. The wedge-block C receives a longitudinal motion by means of the cam D, which, by the application to it of a hand-wrench, is made to revolve on the outside of the cylinder A′ and impinge against and move longitudinally the sliding cam E, which also is on the outside of the cylinder A′, and which is connected to said wedge-block by means of the pin F, which passes through slots *c c′*. The holding of the nipple B securely in the holder, after it has been screwed into the end of the hollow cylinder A′, is accomplished by forcing the edges of the wedge-block C into the inside edge of said nipple by a partial rotation of the cam D. To release said wedge-block C from the nipple, the cam D is reversed. Thus the nipple, which is screwed into the end of the cylinder of the holder by the force of the hand alone, is held secure from being screwed any farther into or out of said cylinder during the process of cutting the screw-thread *b* by means of the wedge-block. After said screw-thread *b* is constructed the wedge-block is withdrawn from the nipple, thus leaving said nipple in the same position as it was when screwed into the hollow cyinder by the force of the hand, above mentioned, which allows it to be readily unscrewed from said holder. The bushing G, Fig. 2, is screwed into the hollow cylinder A′ when it is desired to construct a small-size nipple, such as will fit the thread *h*.

This holder is designed to be used either in a power-lathe or by hand.

My invention does not consist particularly in the use of the cams D E to move the wedge-block C, for any other similar mechanism can be used to move said block—such, for instance, as a screw-sleeve fitted to the outside of the cylinder A′ and connected to said wedge-block, will accomplish the same result as said cams; but my invention does consist of the use, in a pipe-nipple holder, of a wedge-block made to move by suitable mechanism longitudinally inside of a hollow cylinder, the end of which is screw-threaded to receive a pipe-nipple, which is held securely in a desired position by the edges of said wedge-block.

Having fully described my invention, what I desire to claim, and secure by Letters Patent, is—

1. The pipe-nipple holder consisting of the body A A′ and the cams D E, movable on the outside of the hollow part of the body or cylinder A′, in combination with the longitudinally-sliding wedge-block C, connected to the cam E by means of the pin F, which passes through the slots *c c′*, substantially as and for the purpose set forth.

2. In a pipe-nipple holder, the wedge-block C, movable longitudinally by suitable mechanism, in combination with the hollow cylinder A′, screw-threaded on the inside of its outer end, substantially as and for the purpose set forth.

IDWAL M. JONES.

Witnesses:
IRA WINSOR,
JOHN H. CROWELL.