

(No Model.)

T. J. SMITH & G. M. AMON.
PLUMBER'S WIPING IMPLEMENT.

No. 542,541.

Patented July 9, 1895.

Fig. 1.

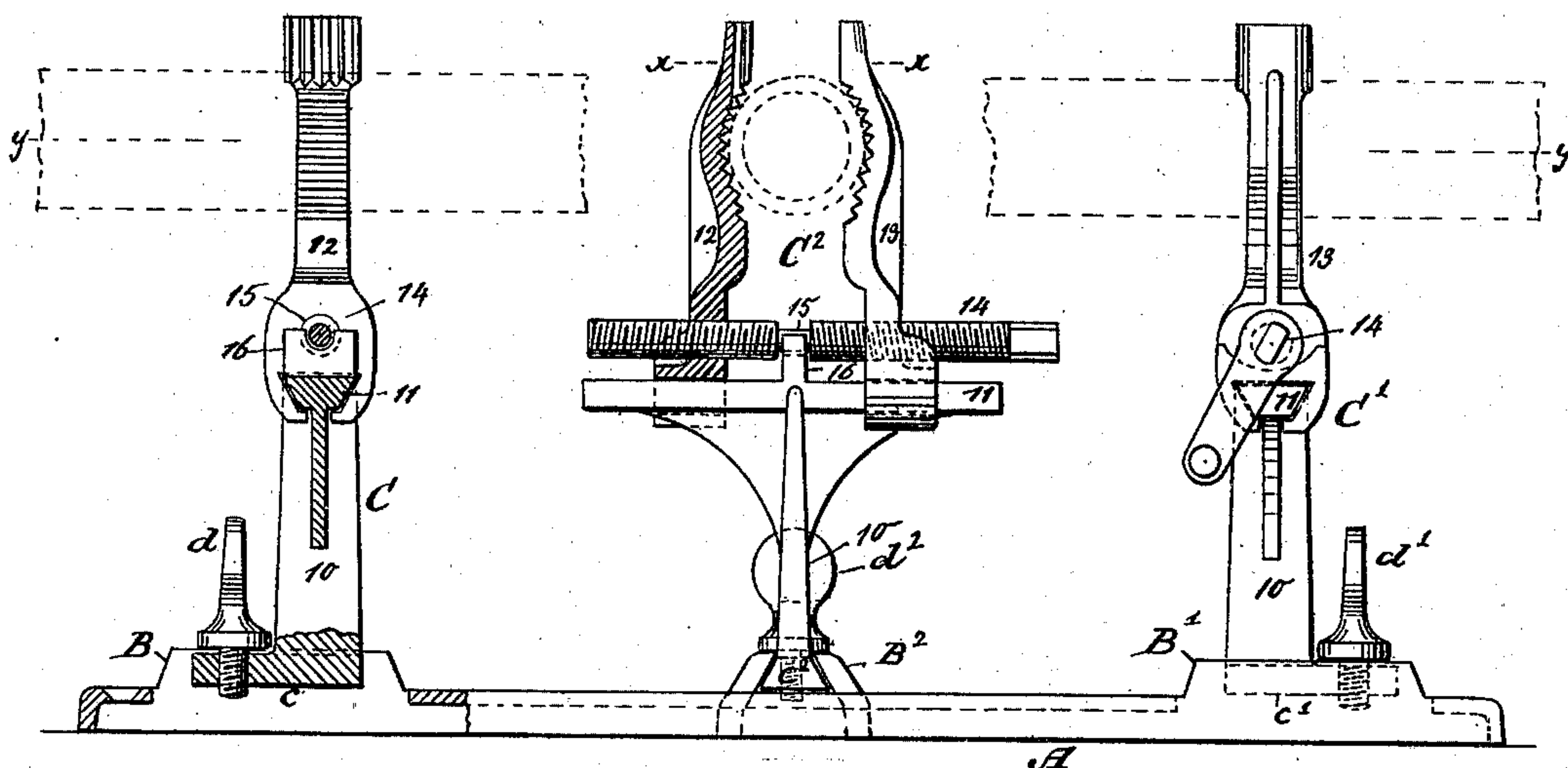


Fig. 2.

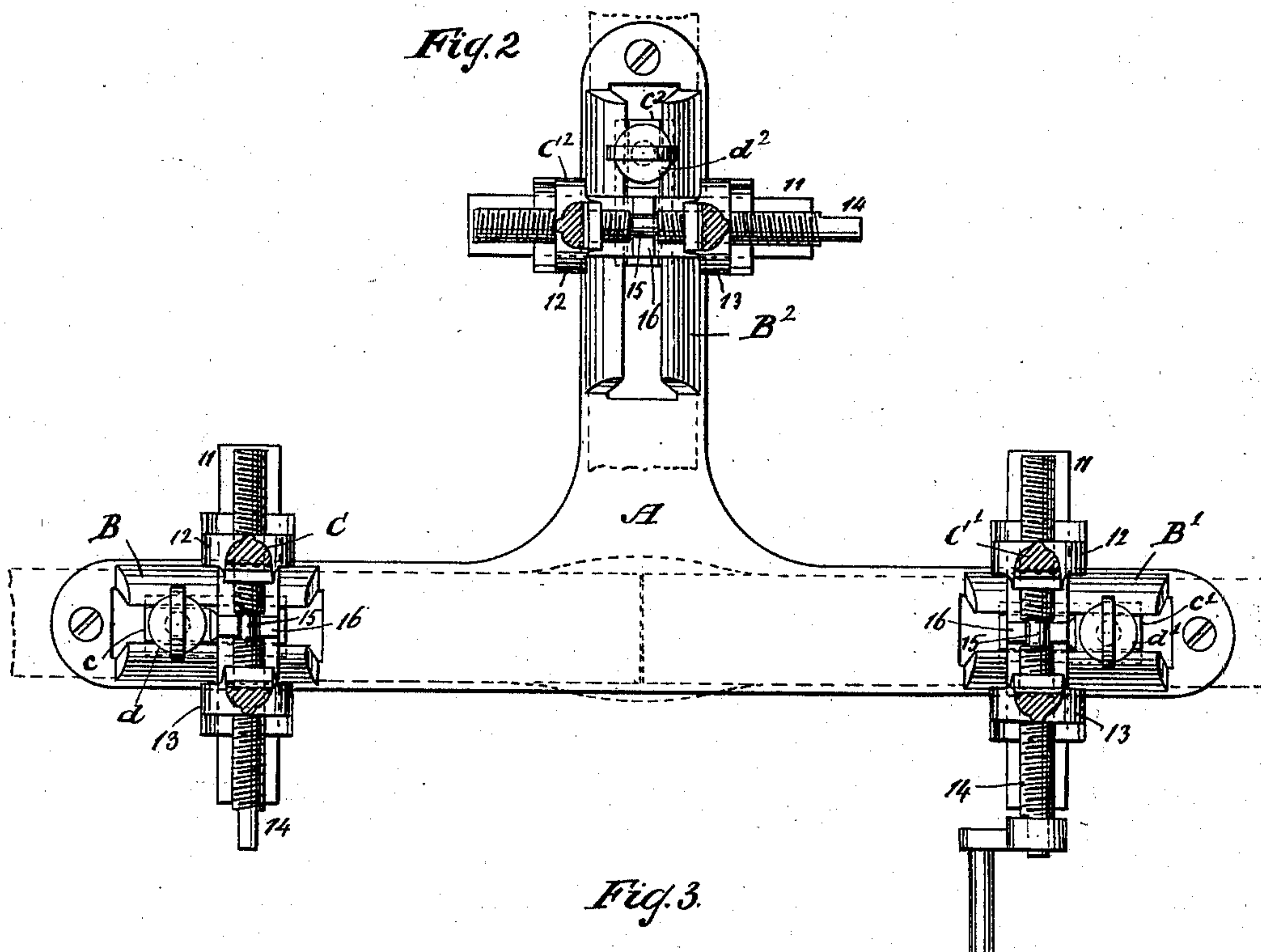
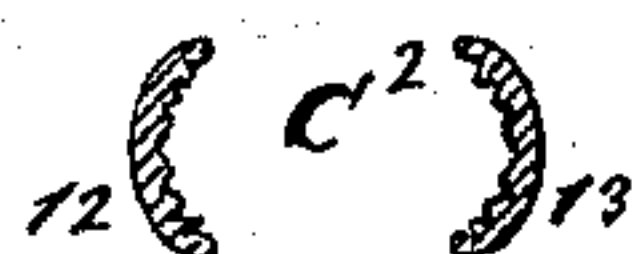


Fig. 3.



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PLUMBER'S WIPING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 542,541, dated July 9, 1895.

Application filed April 25, 1895. Serial No. 547,152. (No model.)

To all whom it may concern:

Be it known that we, THOMAS J. SMITH, residing at New York, in the county of New York, and GEORGE M. AMON, residing at Brooklyn, in the county of Kings, State of New York, citizens of the United States, have invented new and useful Improvements in Plumbers' Wiping Implements, of which the following is a specification.

The object of this invention is an implement or tool by means of which lead pipes can be readily joined and the operation of "wiping" can be performed with ease and facility.

The peculiar and novel construction of our implement is pointed out in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation partly in section. Fig. 2 is a plan or top view, partly in section, in the plane $y y$, Fig. 1. Fig. 3 is a partial horizontal section in the plane $x x$, Fig. 1.

In the drawings, the letter A designates a base which is provided with guideways $B B'$ B^2 for the clamping devices $C C' C^2$. The guideways $B B'$ are in line with each other while the guideway B^2 extends in a different direction. In the example illustrated in the drawings the guideway B^2 is placed at an angle of ninety degrees toward the direction of the guideways $B B'$, but it is obvious that this direction can be changed in accordance with the work to be accomplished.

Each of the clamping devices $C C' C^2$ is provided with a foot $c c' c^2$, respectively, which fits the appropriate guideway $B B'$ or B^2 and can be locked in the required position by means of a set-screw $d d' d^2$ or any equivalent device. The clamping devices consist each of a standard 10 provided at its top with a dovetailed guide-bar 11, which fits the bottom ends of two jaws 12 13, so that said jaws can be moved on the guide-bar toward and from each other. For the purpose of moving the jaws 12 13 uniformly toward and from the middle of the guide-bar 11 a right and left hand screw 14 is employed, the right-hand-screw part of which is tapped into the

jaw 12, while its left-hand-screw part is tapped into the jaw 13. Between the right and left hand screw parts of the screw 14 is formed a journal 15, which engages a groove formed in a lug 16, which extends from the guide-bar 11.

By placing two lead pipes into the primary clamps $C C'$ and adjusting these clamps so as to bring the ends of the lead pipes close together, the operation of wiping the joint can be easily accomplished, and if it is desired to connect with this lead pipe a fitting such as a cock, such fitting is placed into the secondary clamp C^2 , and by adjusting this clamp the end of the fitting can be readily brought into the proper position, so that the operation of wiping the joint between the fitting and the pipe can be accomplished with ease and facility.

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

1. The combination with the base A of guides $B B'$ secured to or formed on the base and situated in line with each other, standards 10 movably fitted to these guides, means for securing the standards in the required position, guides 11 secured to the standards 10, jaws 12, 13 movably fitted to these guides, and a right and left hand screw 14 engaging each pair of jaws substantially as described.

2. The combination with the base A of primary guides $B B'$ secured to or formed on the base and situated in line with each other, a secondary guide B^2 secured to or formed on the base and situated at an angle toward the primary guides, standards 10 movably fitted into the several guides $B B' B^2$, means for securing these standards in the required positions, guides 11 secured to the standards 10, jaws 12, 13 movably fitted to these guides and a right and left hand screw 14 engaging each pair of jaws substantially as described.

In testimony whereof we have hereunto set our hands in the presence of two subscribing witnesses.

THOMAS J. SMITH.
GEORGE M. AMON.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.