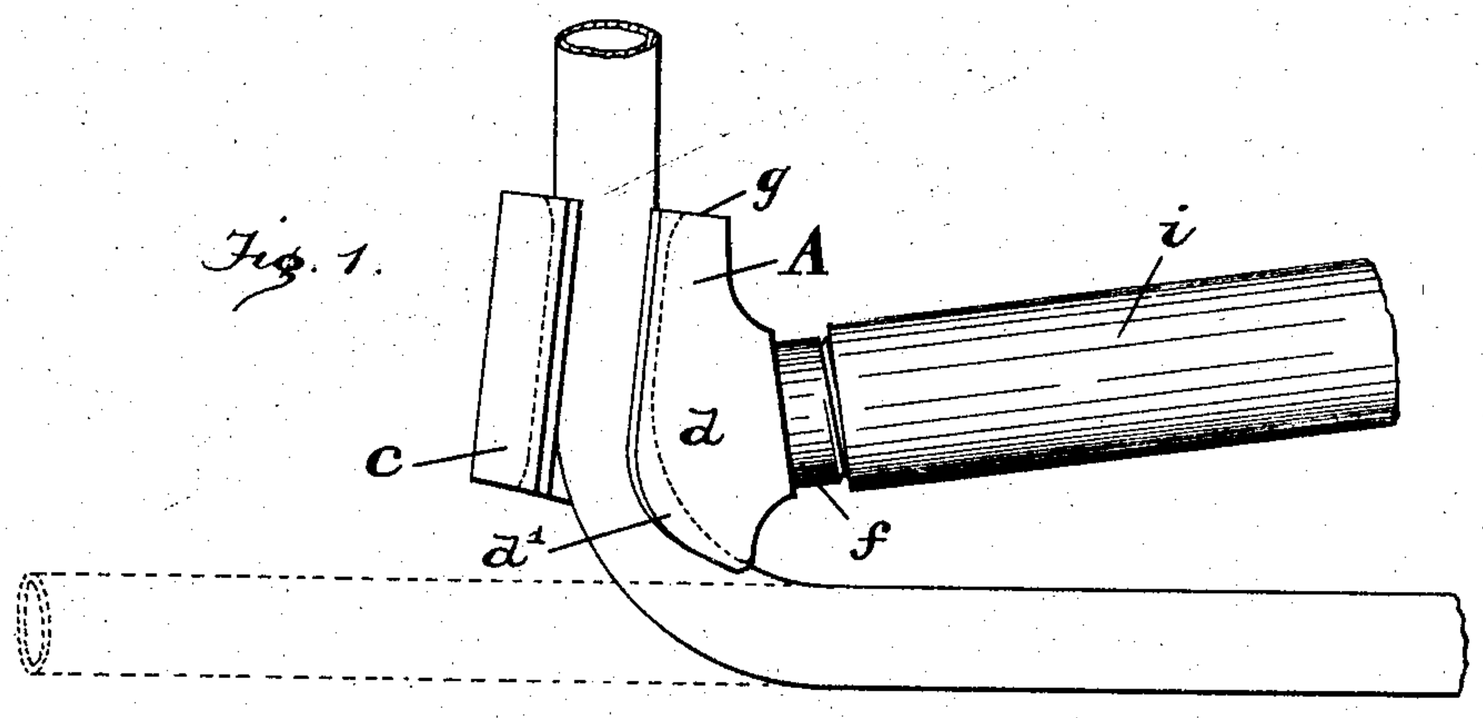
No. 780,756. PATENTED JAN. 24, 1905.

A. R. LAKIN.

PIPE BENDING TOOL.

APPLICATION FILED NOV. 16, 1904.

Fig. 1.



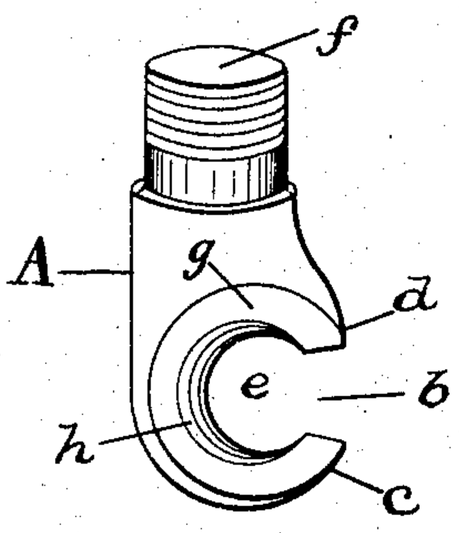


Fig. 2

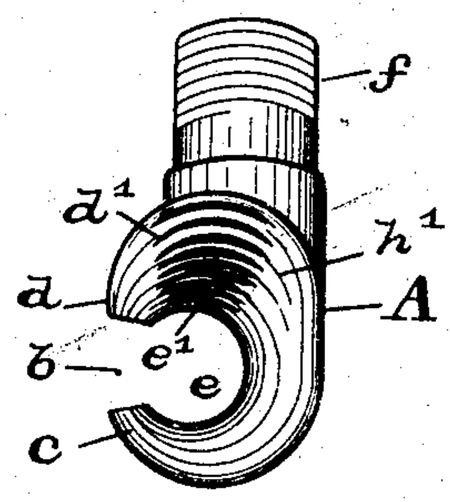


Fig. 3.

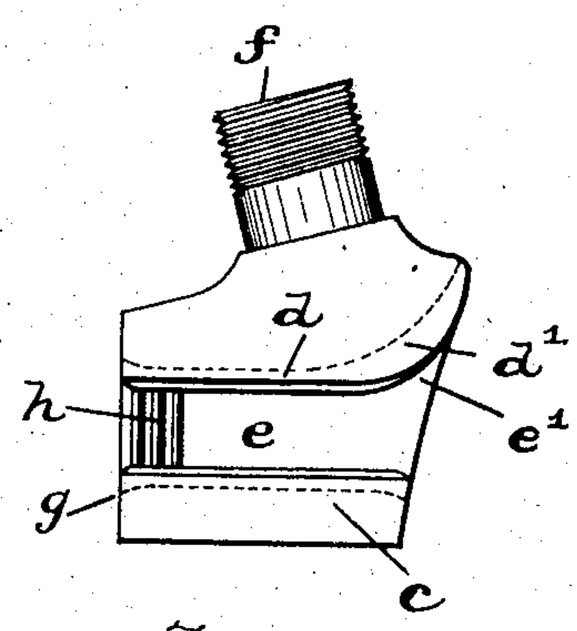


Fig. 4.

Witnesses.
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No. 780,756. Patented January 24, 1905.

UNITED STATES PATENT OFFICE.

ALLAN R. LAKIN, OF BALTIMORE, MARYLAND.

PIPE-BENDING TOOL.

SPECIFICATION forming part of Letters Patent No. 780,756, dated January 24, 1905.

Application filed November 16, 1904. Serial No. 232,981.

To all whom it may concern:

Be it known that I, ALLAN R. LAKIN, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Pipe-Bending Tools, of which the following is a specification.

This invention relates to a pipe-bending tool.

The object of the invention is to provide a tool especially adapted for use in bending pipe that is being fitted in floors, partitions, and walls, so as to avoid frequent cutting and the use of elbows or angle-pieces.

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

Figure 1 is a view of the tool which has made a right-angled bend in a piece of pipe. Fig. 2 is an elevation of the pipe-holding end of the tool. Fig. 3 is an elevation of the pipe-bending end of the tool. Fig. 4 is an elevation showing the open side of the tool.

The tool consists of a solid forged or cast body A, of metal, having an open side *b* between fixed jaws *c d*. The inner longitudinal space *e* is partly circular in cross-section to receive a pipe. The body has at a side which is at a right angle with respect to the said open side *b* an inclined screw-threaded shank *f*. The pipe-holding end *g* of the body is flat, and at this end the inner space *e* has a number of crosswise serrations *h* similar to screw-threads, which constitute the means to prevent the tool from slipping on the pipe. The jaw *c* is straight; but the fixed jaw *d* at the pipe-bending end has a curved lip *d'*, and the inner space *e*, which is straight for a short stretch, widens at the side corresponding with the said curved lip, as at *e'*, and forms a sort of a bell-shaped end. This is the pipe-bending end, and the widened or bell-shaped part *e'* has a series of curved cross-serrations *h'*, which will impinge against the side of the pipe at the point where the bend is made and prevent slipping. A suitable length of pipe *i*, to serve as a lever or handle, is attached to the shank *f*. The screw-threaded shank *f* inclines in a direction away from the widened or bell-shaped part *e'* in order to prevent the lever or handle *i* when pressed down from striking the floor or other obstacle in making a right-angle bend in a pipe.

The manner of using the tool will be obvious from the illustrations and descriptions.

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

1. A pipe-bending tool comprising a solid metal body having a flat pipe-holding end, *g*, and an irregular bell-shaped pipe-bending end; two fixed jaws between said ends—one of which is straight and the other has at the bending end a curved lip, *d'*, said two jaws forming a side opening to a longitudinal inner space, *e*, which is widened or bell-shaped at one side adjoining said curved lip; crosswise serrations, *h*, at the pipe-holding end of said inner space; and a shank.

2. A pipe-bending tool comprising a solid body having two fixed jaws one of which is straight and the other has at the bending end a curved lip, *d'*, said two jaws forming a side opening to a longitudinal inner space, *e*, which is widened or bell-shaped at one side adjoining said curved lip; and a shank which inclines in a direction away from said widened or bell-shaped part.

In testimony whereof I affix my signature in presence of two witnesses.

ALLAN R. LAKIN.

Witnesses:

CHAS. B. MANN,

FELIX R. SULLIVAN.