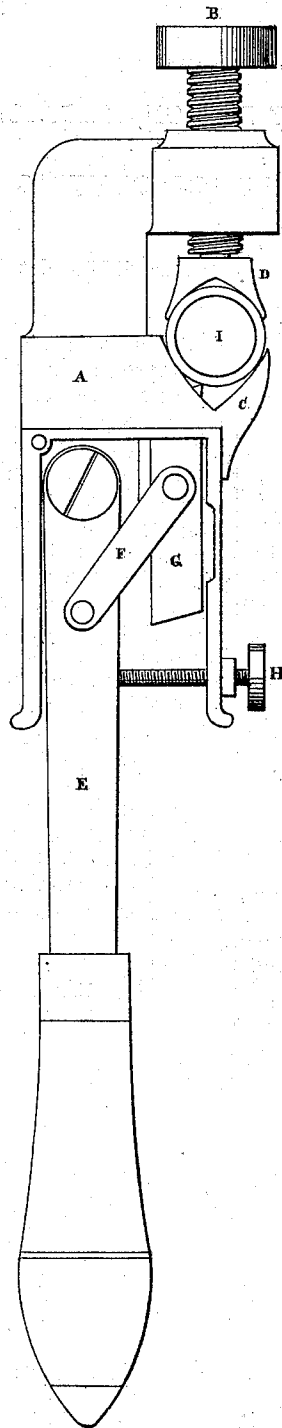


HENRY COLLINSON.

Improvement in Tools for Cutting Off Pipes.

No. 125,380.

Patented April 9, 1872.



Witnesses.

William W. McKim
John W. McKim

Inventor.

Henry Collinson

UNITED STATES PATENT OFFICE.

HENRY COLLINSON, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN TOOLS FOR CUTTING OFF PIPES.

Specification forming part of Letters Patent No. 125,380, dated April 9, 1872.

Specification of an Adjustable Tube or Pipe Cutter, invented by HENRY COLLINSON, of Boston, Massachusetts.

A is the body of the cutter, one end forming a nut for the adjusting set-screw B and the other being recessed out to receive the working parts of the tool. Either cast on or attached to the body A is the crutch C, which is made larger at the top than at the bottom, for the purpose of holding tubes or pipe of different sizes. B is an adjustable set-screw, having a small swivel-crutch attached to and forming the end of it. E is the lever. F is the connecting-link. G is the cutter, having the cutting points or edges formed in any desirable shape or manner. H is a small adjusting set-screw forming a positive rest for the lever E at any point. I do not consider this screw absolutely necessary in working the tool, but it is better with it, as the depth of the cut can be adjusted with greater nicety by its use.

In operating with this cutter, the tube or pipe I is held in the vise in the usual manner. The point to be cut is then placed in the center of the crutch C, and the set-screw B turned down until the tube or pipe is firmly pressed by the swivel-crutch D. The cutter G can be

adjusted for cutting fine or coarse by means of the set-screw H. By then pressing the lever E in the direction of the set-screw H two motions are produced. The lever, acting on the link F, causes the cutter G to move forward, and, at the same time, the entire tool is made to travel round the tube or pipe until the cut is complete. When the set-screw H is used, it must be gradually released, to allow the cutter to penetrate.

The cut made by this tool is quite perfect, leaving no burr either on the outside or the inside of the tube or pipe, and the friction of the crutches on the outside surface cleans it and leaves it in good condition for receiving the screw-cutting tools.

Claim.

I claim—

A pipe-cutter having the cutting-tool, the lever E, the link F, and the set-screw H combined, substantially as and for the purpose hereinbefore set forth.

HENRY COLLINSON.

Witnesses:

NATHANIEL HARRIS,
WILLIAM W. McKIM.