Feb. 15, 1927. 1,617,364

E. W. BACON

PIPE VISE

Filed April 22, 1926

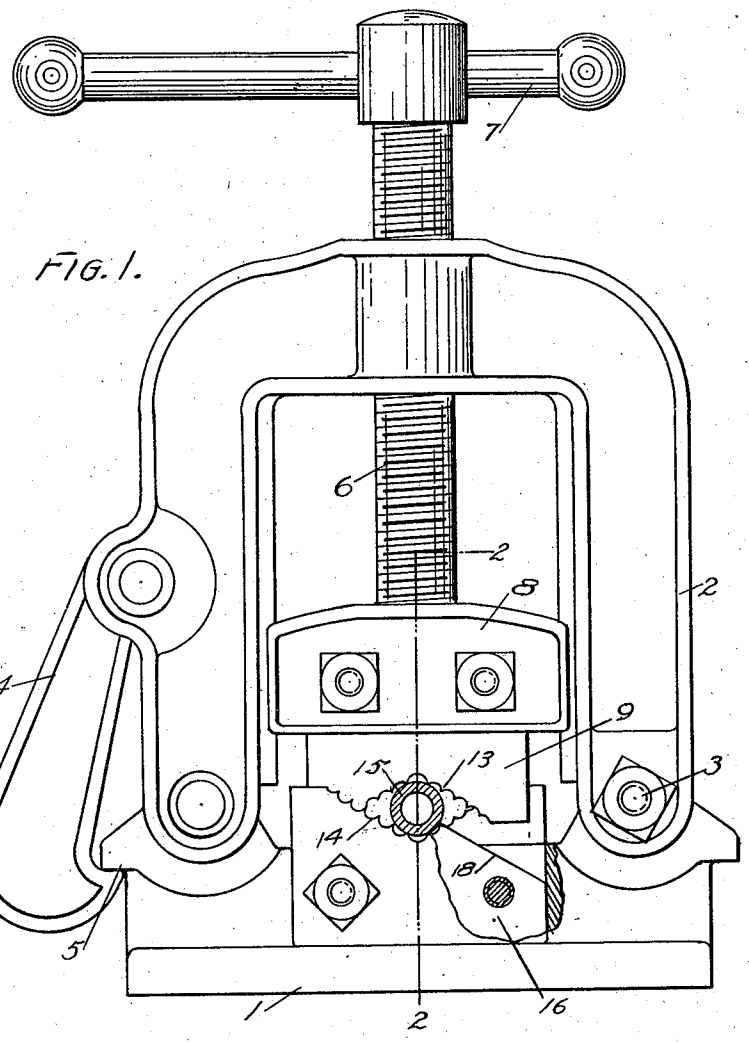


FIG. 1.

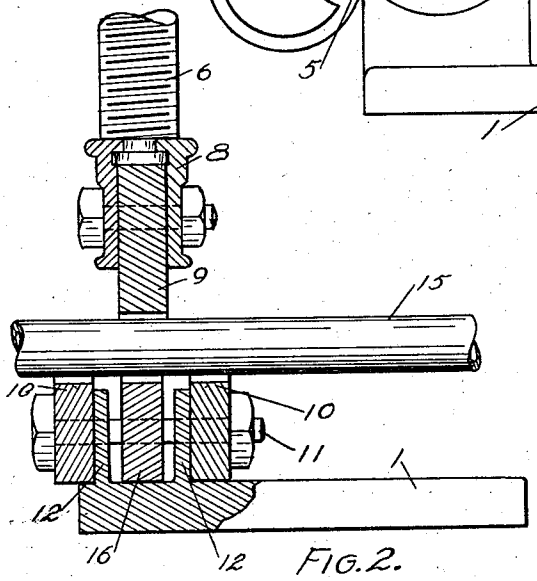


FIG. 2.

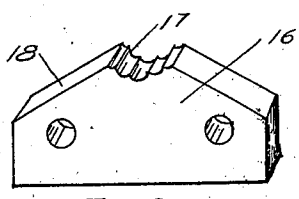


FIG. 3.

INVENTOR.
Edwin Warner Bacon
BY
ATTORNEYS.

Patented Feb. 15, 1927. 1,617,364

# UNITED STATES PATENT OFFICE.

EDWIN WARNER BACON, OF ERIE, PENNSYLVANIA, ASSIGNOR TO THE ERIE TOOL WORKS, OF ERIE, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

## PIPE VISE.

Application filed April 22, 1926. Serial No. 103,850.

Pipe vises are ordinarily made with opposing pipe jaws, one jaw being provided with two members and the opposite jaw with a single member operating between the two members. With small sizes of pipe jaws of this type are apt to bend the pipe and the present invention is designed to obviate this difficulty. Features and details of the invention will appear from the specification and claims.

The invention is illustrated in the accompanying drawings as follows:—

Fig. 1 shows a side elevation of the vise.

Fig. 2 a section on the line 2—2 in Fig. 1.

Fig. 3 a perspective view of a supplemental jaw member.

1 marks the base, 2 the frame, 3 the pivot bolt between the frame and base, 4 the securing hook for the frame, 5 the latch on the base with which the hook engages, 6 the vise screw operating in the frame, 7 the vise handle, 8 the vise cross head, 9 the single jaw carried by the cross head, 10 the jaw on the base formed by the two members secured to the base by a bolt 11 extending through the upstanding ears 12 on the base. The jaw 9 has a V-shaped jaw face 13 and the members 10 have the jaw faces 14. A length of pipe 15 is shown in the jaw.

A supplemental jaw 16 is arranged between the ears 12 and secured on the base by the bolt 11. This jaw has a jaw face 17 extending but slightly each side of the center but of sufficient length to engage the smaller lengths of pipe. It is cut away at 18 thus affording clearance for the sides of the jaw 9 as it is brought down between the jaw members 10. In this way the pipe is supported at directly opposing points through the supplemental jaw 17 and jaw 9 and thus the bending of the pipe is prevented. At the same time the jaw members 10 extending a considerable distance along the pipe tends to hold the pipe against swinging laterally in the jaws.

What I claim as new is:—

1. In a pipe vise, the combination with movable and fixed jaws, one of said jaws having two separate members with V-shaped jaw faces and the opposing jaw having a jaw member operating between the members of the two-member jaw and having a V-shaped jaw face, of a supplemental jaw member between the two jaws and opposing said single jaw member, said supplemental jaw having a jaw face at the center and cut away at the sides affording clearance for the single jaw member.

2. In a pipe vice, the combination with movable and fixed jaws, one of said jaws having two separate members with V-shaped jaw faces and the opposing jaw having a jaw member operating between the members of the two-jaw member and having a V-shaped jaw face, of a supplemental jaw member between the two jaws and opposing said single jaw member, said supplemental jaw having a V-shaped jaw face at the center and cut away at the sides affording clearance for the single jaw member.

In testimony whereof I have hereunto set my hand.

EDWIN WARNER BACON.