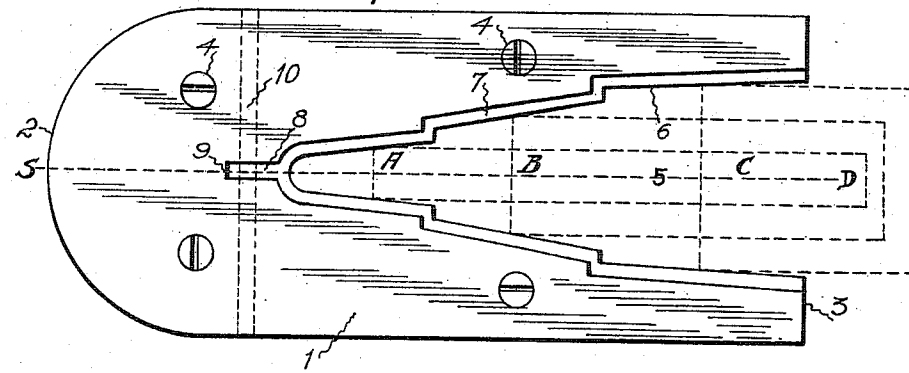
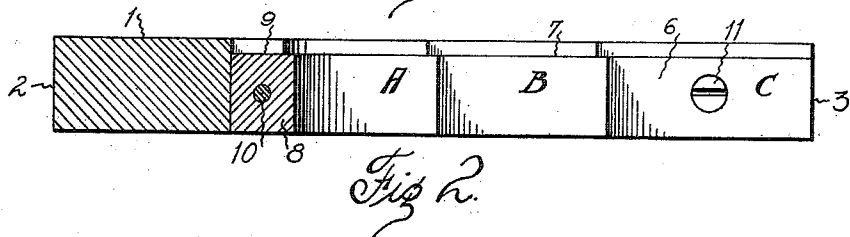
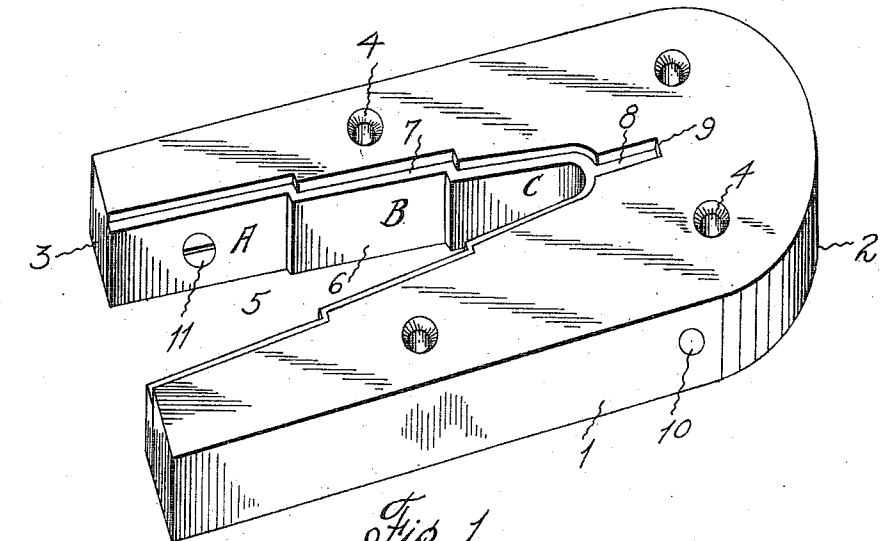


T. W. McCORMICK.
BENCH DOG.
APPLICATION FILED APR. 1, 1910.

979,528.

Patented Dec. 27, 1910.



WITNESSES:
J. L. Bowling
L. E. Noack

Fig 3

INVENTOR
Terrill W. McCormick

BY *Shelby Davis*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

TERRILL W. McCORMICK, OF DENTON, TEXAS.

BENCH-DOG.

979,528.

Specification of Letters Patent.

Patented Dec. 27, 1910.

Application filed April 1, 1910. Serial No. 552,760.

To all whom it may concern:

Be it known that I, TERRILL W. McCORMICK, citizen of the United States, residing at Denton, in the county of Denton and State of Texas, have invented certain new and useful Improvements in Bench-Dogs, of which the following is a specification.

My invention has relation to work bench attachments and particularly a bench dog.

The object of the invention is to provide a dog adapted to be secured to a carpenter's work bench comprising a body having a stepped V shaped crotch whereby boards of different widths are received and held in position and the wedging action reduced to a minimum thus preventing the defacing of the end of the board.

Another feature lies in the provision of a stepped portion for each combination of widths of boards as for instance one of the stepped portions being sized to receive and hold boards ranging from one and three-fourths inches to one and one-half inches.

A still further feature resides in the provision of a body adapted to be secured to a work bench and having a stepped V shaped crotch receiving a stepped V shaped lining having its upper edge below the upper surface of the body and said lining secured in the body. This provision being made when the body is made of wood or soft material and the lining of metal whereby the bit of the plane is prevented from contacting with the lining.

Finally the object of the invention is to provide means of the character described that will be strong, durable, efficient, and easy of operation, simple and comparatively inexpensive to construct, and also in which the several parts will not be likely to get out of working order.

With the above and other objects in view, the invention has relation to certain novel features of construction and operation, an example of which is described in this specification and illustrated in the accompanying drawings, wherein:

Figure 1. is a perspective view of the dog, Fig. 2. is a longitudinal sectional view on the line S—D of Fig. 3, and Fig. 3. is a plan view.

In the drawings, the numeral 1 designates a body preferably formed of wood or other material not injurious to the bit of a plane.

The body or block 1 has a rounded end 2 and a square end 3 and provided with a plurality of countersunk screw holes 4 through which screws may be passed to secure the body to the work bench. It is to be understood that other means for fastening the body in place may be employed if desired.

The body is provided with a V shaped crotch 5 extending inward from the end 3 centrally of the body. This crotch is stepped and receives a stepped lining 6 of comparatively thin metal having a shape fitting the contour of the crotch 5, but having its upper edge 7 terminating a short distance below the upper surface of the body whereby the bit of a plane passed over the dog would contact with the body and be supported above the lining and saved from injury.

At its inner end the lining is formed with a lug 8 fitting in a corresponding recess 9 in the block at the inner end of the crotch. A pin 10 or other fastening is passed transversely through the body and the lug whereby the lining is fastened in the crotch. As an additional fastening means, screws 11 are passed transversely through the outer ends of the lining into the body.

In the illustration the lining has three stepped portions or steps A, B and C. By observing Fig. 3 it will be noted that the vertical walls of these steps are at different angles. This provision is made to accommodate the different ranges or combinations of widths, each step receiving a particular range or combination. For instance step A may receive the ends of boards to be planed, which vary from two inches to one and one-half inches; while step B may receive boards varying from one and one-half inches to seven-eighths of an inch, and step C boards varying from seven-eighths of an inch down. Of course these sizes may be changed as desired by the manufacturer.

It is to be understood that the essential feature of the invention is the V shaped stepped crotch and it may be employed with various forms of bench dogs. It is apparent that by providing the steps a longer flat surface will be presented to the end of the board, than where a straight V shaped crotch is employed, as the angle of the walls of the step will not be as acute and they will converge more gradually, thus reducing the liability of bruising the end of the board.

What I claim is:

1. In a bench dog, a body member having a stepped V shaped crotch.
2. In a bench dog, a body member having
- 5 a V shaped crotch, the crotch having stepped portions and the walls of one stepped portion being disposed at a different angle to the walls of the other stepped portions.
3. In a bench dog, a body member having
- 10 a V shaped crotch, and a V shaped lining

fitting in the crotch of the body member and having its upper surface terminating below the upper surface of the body member.

In testimony whereof I have signed my name to this specification in the presence of 15 two subscribing witnesses.

TERRILL W. McCORMICK.

Witnesses:

G. P. WELLS,
LOUIS MCGRAW.