

(No Model.)

V. M. MOORE.

WISE.

No. 326,137.

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Fig. 1.

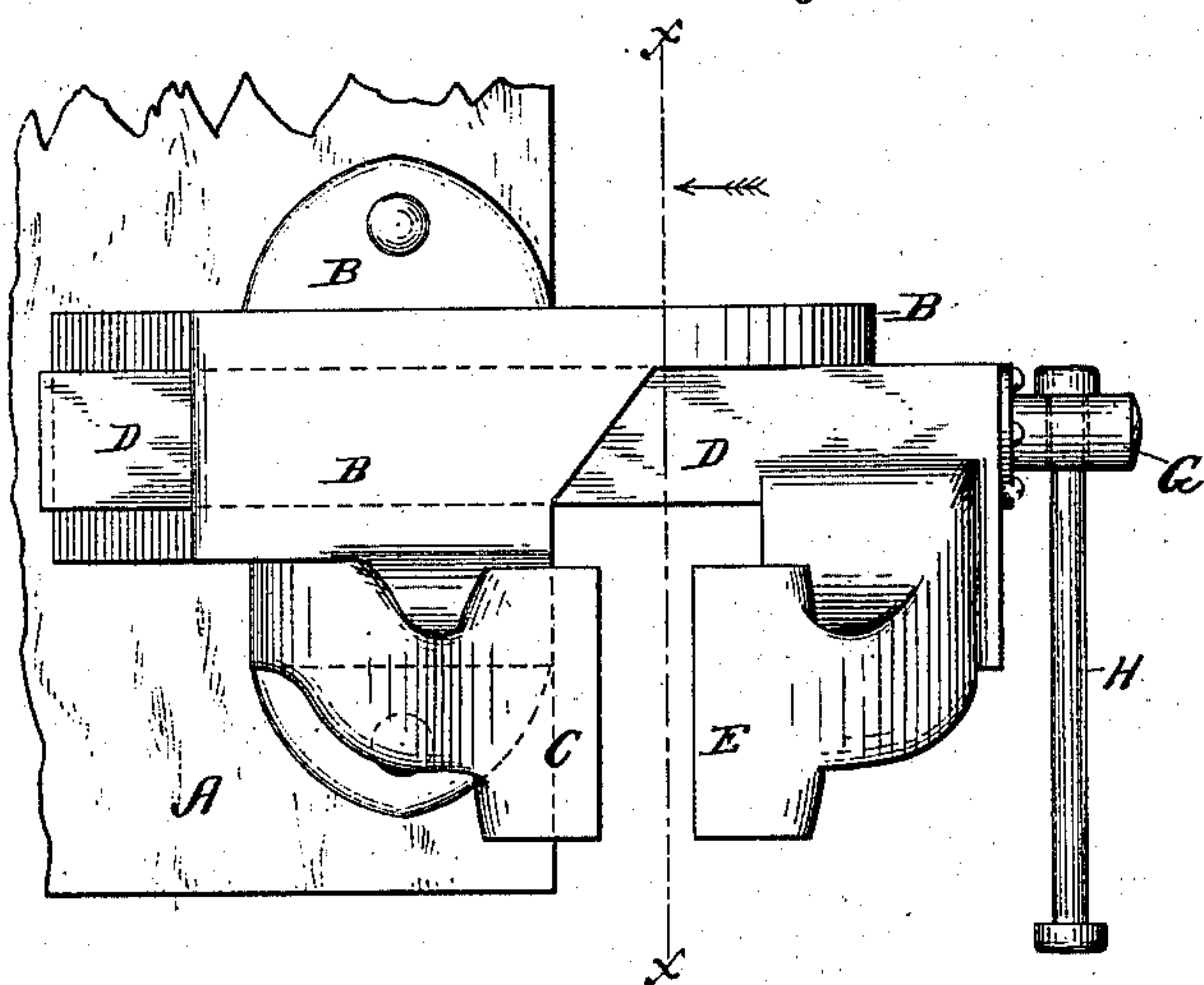
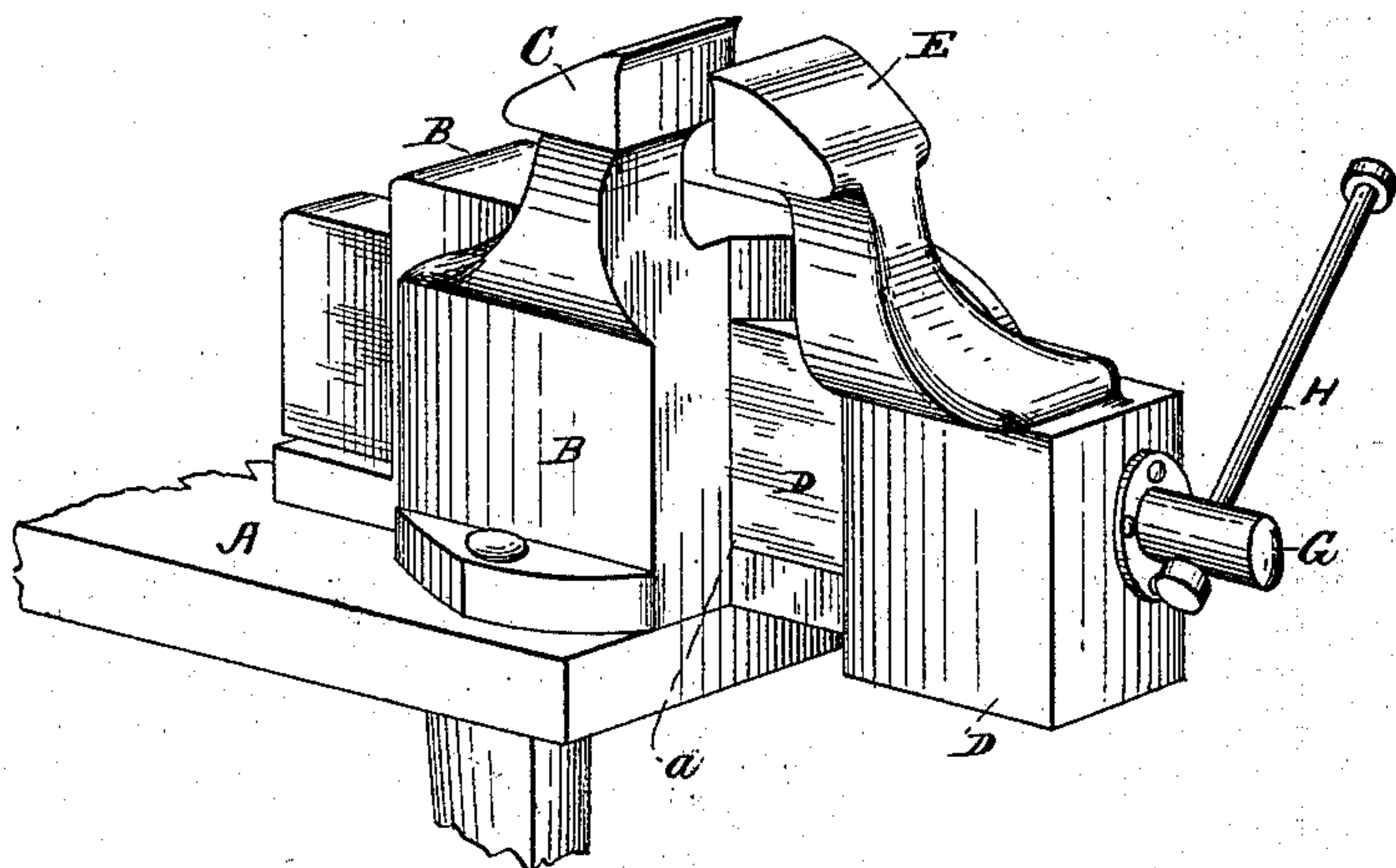
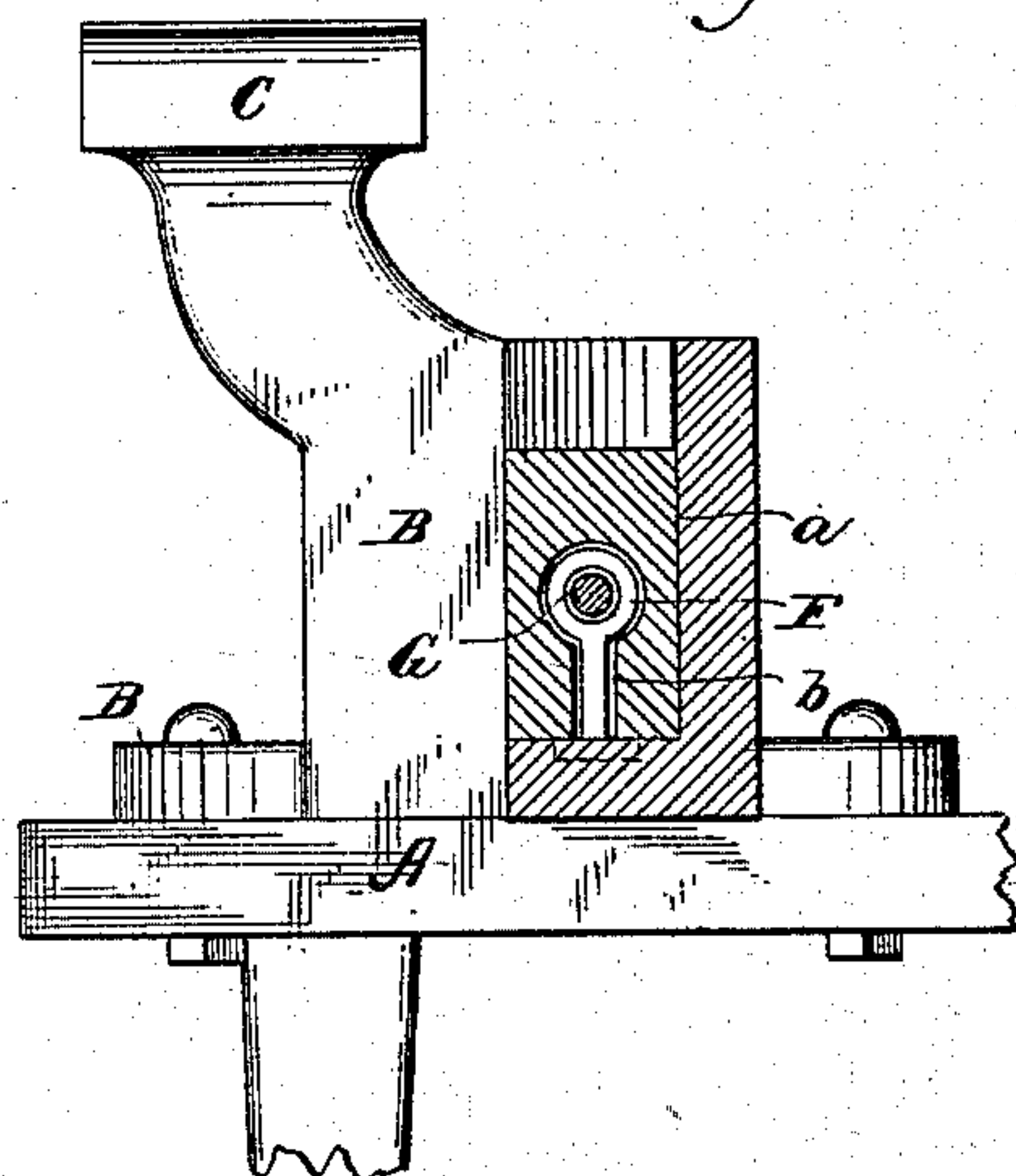


Fig. 2.

Fig. 3.



Witnesses.

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To all whom it may concern:

Be it known that I, V. MUMFORD MOORE, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Vises, of which the following, in connection with the accompanying drawings, is a specification.

In the drawings, Figure 1 is a perspective view or representation of a vise embodying my invention. Fig. 2 is a top or plan view of the same; and Fig. 3 is a section in the plane of the line *x x* of Fig. 1, viewed in the direction indicated by the arrow there shown.

Like letters of reference indicate like parts.

A represents a bench or table.

B is a block rigidly attached to the top of the said bench, and located at or near one edge thereof.

C is a fixed jaw, either made integral or in one or the same part with the block B or rigidly attached thereto. The block B has therein a recess, *a*.

D is a sliding bar or block capable of being moved back and forth horizontally in the block B, and E is a jaw moving with the said block or bar.

F is a fixed stud or post attached to the block B, and having a head which is internally screw-threaded.

G is a screw swiveled in the block D, and entering or engaging the screw-threaded head or portion of the stud F. The block D is recessed, as indicated at *b*, Fig. 3, to permit the said block to be moved back and forth without obstruction by the said stud or post.

H is a sliding bar or lever for turning the screw G.

It will be perceived that the jaws C and E will be brought together or separated, according to the direction in which the screw G is turned, so that devices of various sizes may be firmly seized and held in the vise. It will also be perceived that the jaws C and E set away laterally from the screw G. This peculiarity of arrangement or structure is the principal or essential feature of my invention, and the advantage derived therefrom is, that I am enabled to place long devices in the vise

and arrange them vertically therein, so that the said devices will be seized at or near their upper end without interference from either the screw or bench. In other words, the depending parts of the articles held by the vise may pass down vertically below the screw without interference from the latter and without interference with the operation of the vise. Wider or broader devices may also be gripped with greater facility. By this means a very common or usual inconvenience in using vises is overcome.

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

1. A vise wherein the working or gripping faces of the jaws extend laterally from a movable slide carrying one of the jaws, and in which a plane passing vertically through the said slide in the longitudinal direction of the latter is parallel to a plane passing vertically through the jaws midway between their ends and at right angles to the gripping-faces of the jaws, substantially as and for the purposes specified.

2. A vise wherein the jaws are set out laterally from a plane passing vertically through the axis of the clamping-screw, substantially as and for the purposes specified.

3. The combination of the block B, having thereon the jaw C, and having therein a recess, *a*, the fixed internal screw-threaded stud F, the recessed sliding block D, having thereon the jaw E, the screw G, in operative connection with the slide D and stud F, and a handle or lever for turning the said screw, the said jaws being set out laterally from the plane passing vertically through the axis of the said screw, substantially as and for the purposes specified.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

V. MUMFORD MOORE.

Witnesses:

J. J. MULLEN,
A. L. ROE.