

G. T. CANTARA.
COMBINATION TOOL VISE AND SHARPENING GAGE.
APPLICATION FILED FEB. 23, 1909.

938,969.

Patented Nov. 2, 1909.

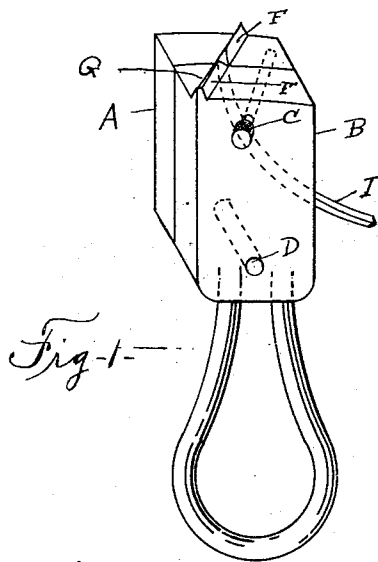


Fig. 1-

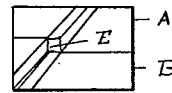


Fig. 2-

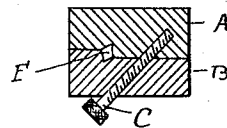


Fig. 4-

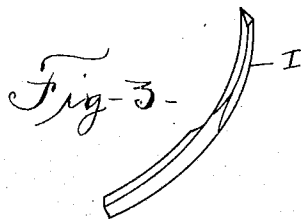


Fig. 3-

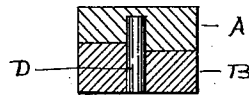


Fig. 5-

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GEORGE T. CANTARA, OF BIDDEFORD, MAINE.

COMBINATION TOOL-VISE AND SHARPENING-GAGE.

938,969.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE T. CANTARA, a citizen of the United States, and residing at Biddeford, in the county of York and State of Maine, have invented new and useful Improvements in a Combination Tool-Vise and Sharpening-Gage, of which the following is a specification.

My invention relates to improvements in a combination tool vise and sharpening gage, the device shown in the drawing being designed especially for sharpening the Good-year sewing awl, but it may be used for any similar purpose.

In the drawings herewith accompanying and making part of this application, Figure 1 is a perspective view of my improved device; Fig. 2 is a plan view of the end thereof; Fig. 3 is a perspective view of a Goodyear awl. Fig. 4 is a transverse sectional view through the set screw C and Fig. 5 is a transverse sectional view through the holding pin D.

Same letters of reference indicate like parts.

In said drawings A and B are the clamp members which are connected together by a set screw C adapted to draw them together and also by a pin D set in one part as B and projecting into a pin-receiving recess in the other part A adapted to coöperate in holding the parts together and against movement one part relative to the other. On the ends of members A and B and preferably extending diagonally across them are tapering projections F—F'. In the adjacent faces of the members are registering recesses E corresponding with the shape of the tool to be sharpened and terminating on the outside thereof in the parts F—F' so that when the tool to be sharpened is inserted in the recess F it projects upwardly and slightly beyond the parts F—F'. The tool I to be sharpened, to wit, a sewing awl, is forced into the recess until the sharp point extends slightly above the parts F—F', the parts F—F' on either side then serving for a guide for the sharpening tool. The parts F—F' taper outwardly to a thin edge, the sides of the two parts F—F' being continuous or if pre-

ferred one of the sides F' may be slightly offset so as to incline slightly toward the recess in which case the part F' does not extend to a thin edge throughout its entire length but is slightly truncated as shown in Figs. 1 and 2. This latter construction gives a somewhat pointed shape to the tool when ground, the sharper part being toward the inside curve of the tool as shown in Fig. 3.

The operation of my improved device is as follows. The screw is turned to loosen the members slightly and the tool I inserted in the recess between the members until its end projects through the opening and slightly above the gage. The vise members are then tightened holding the tool firmly. With a file or other grinding device the tool is reduced to the same taper substantially as the gage.

The advantages of my improved device are that it comprises a tool vise and gage in a single device and also enables the tool to be sharpened so as to give it a sharper cutting edge or point on the inner curved side of the awl than on the other, whereby the awl penetrates the leather more readily.

Having thus described my invention and its use I claim:—

1. A combination tool vise and sharpening gage comprising two vise members removably joined having tool receiving registering recesses in their adjacent faces and a tapering gage extending across the ends of said members, a portion of the gage being removed to receive the end of the tool.

2. A combination tool vise and sharpening gage comprising two vise members removably joined having tool receiving registering recesses in their adjacent faces, means for clamping the two members together, a tapering gage extending across the ends of said members, a portion of the gage being removed to receive the end of the tool, one portion of the gage terminating in a thin edge and the other being slightly truncated.

3. A combination tool vise and sharpening gage comprising two vise members removably joined having tool receiving registering recesses extending across the ends of

said members, a portion of the gage being removed to receive the end of the tool, one portion of the gage tapering vertically to a thin edge, the other tapering vertically and
5 longitudinally toward the other portion and slightly truncated.

In testimony whereof I have signed my

name to this specification in presence of two subscribing witnesses this seventeenth day of February, 1909.

GEORGE T. CANTARA.

In presence of—

ELGIN C. VERRILL,
MARION RICHARDS.