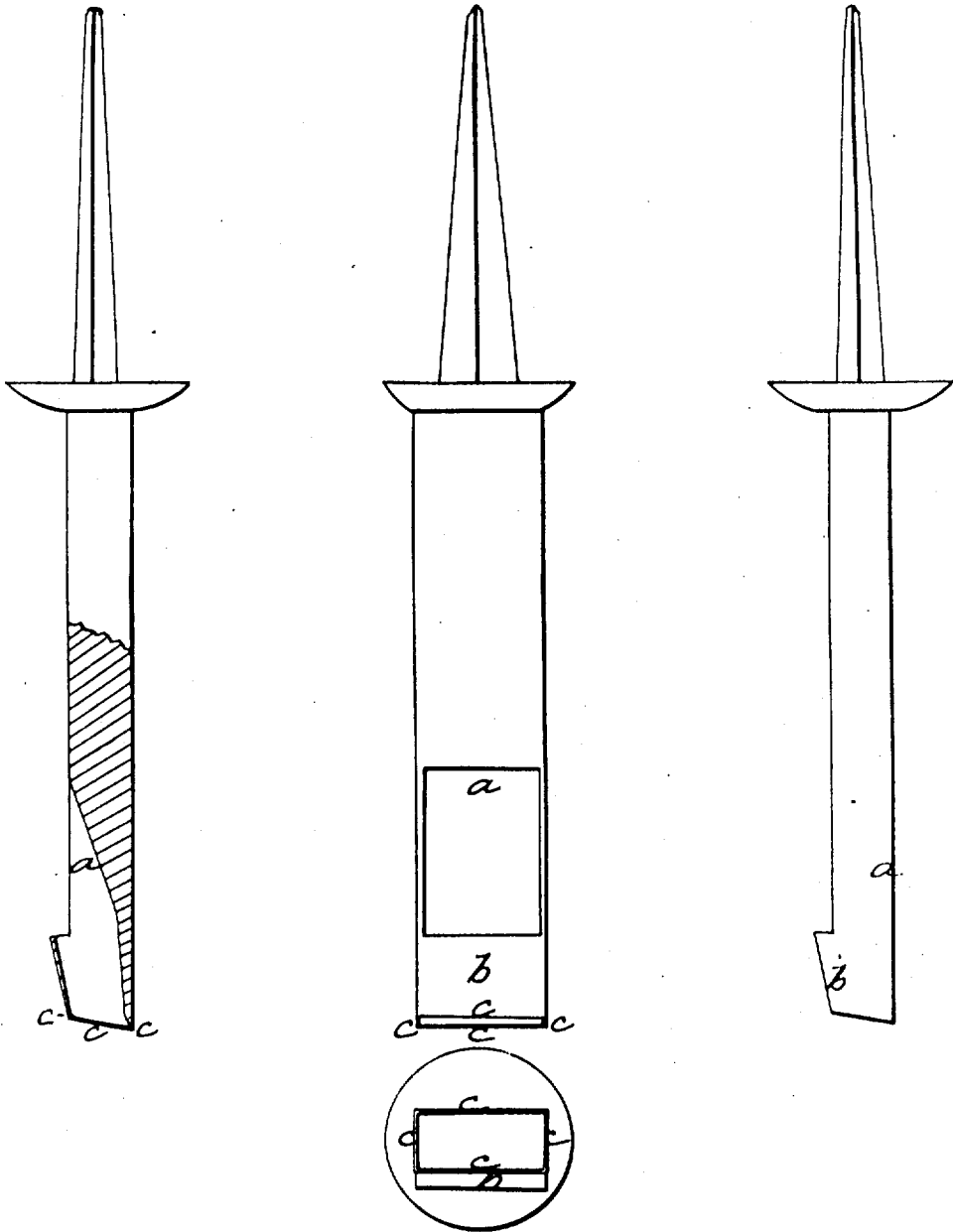


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G. Page,
Wood Chipel.
Patented Aug. 14, 1833.



7714X

Aug 14, 1833

Aug 14, 1833 265

George Page
Letters Patent

The schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said George Page himself of his improvement called the cutting and clearing chisel.

The improved chisel, which is called a cutting and clearing chisel is described as follows. - The base or cutting end of the chisel in other respects resembles a common chisel, is made in the shape of a box open at top and bottom with four sides, the angles being right angles, and with the main body of the chisel constituting one side of the box. The box is on the bevelled side, of the main part of the chisel. The inner width of this box at the base part of it measuring from the edge of the main part of the chisel to the opposite edge is, in all cases, about three sixteenths of an inch and should gradually increase to the top. Its dimension the other way or its longitudinal dimension is, according to the size or width of the chisel. Supposing the chisel to stand upright, the lower edges are not horizontal, but that which is the end of the main part of the chisel, is about one tenth of an inch lower than the opposite edge, and the two side edges have a regular slope or slant from one of the before mentioned edges, to the other so that the first mentioned edge goes forward in cutting the mortise, and the two side edges follow, and trim the sides of it. ^{The sides of the box should be made as thin as possible, with the strongest strength.} The height of the three short sides of the box should be from one half to three quarters of an inch. - The box being larger measuring that is, to say wider at the top than at the bottom. It holds the chip first cut until it is driven up and out of the box by three cut afterwards. The edges of the sides of the box are made sharp. The main edge which goes forward in cutting and the two side edges are bevelled on the inside. The edges should be made of steel and the three cutting edges forming tempered. The cutting and clearing chisel is designed to be used principally in machines for making mortises, when the mortise is to be made in hard wood, one hole should be bored, the diameter of which must be the same as the width of the chisel, and the mortise is to be cut to the left or right as may be most convenient about one

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eight of an inch at a stroke the face of the chisel going forward until it comes to the head of the mortise. This chisel is then turned and the mortise is cut in the same manner to the other head of it. When the mortise is to be made in soft wood, no hole need be bored, but if the machine is so contrived as to admit of it, the mortise may be begun near one end of it and the cuts shallow at first may be made deeper and deeper until the desired depth is obtained, and the chisel afterwards turned and the first end finished. This chisel may also be used in turning the heads and corners of all mortises however made.

I claim as my invention the addition of a fourth edge, or in other words, that side of the box before described which is opposite to the main part of the chisel, and serves as a support to the side edges.

Witneses
Eps John Hatch }
H Hale }

George Page

(588 Words)

(Granted August 14, 1833.)