

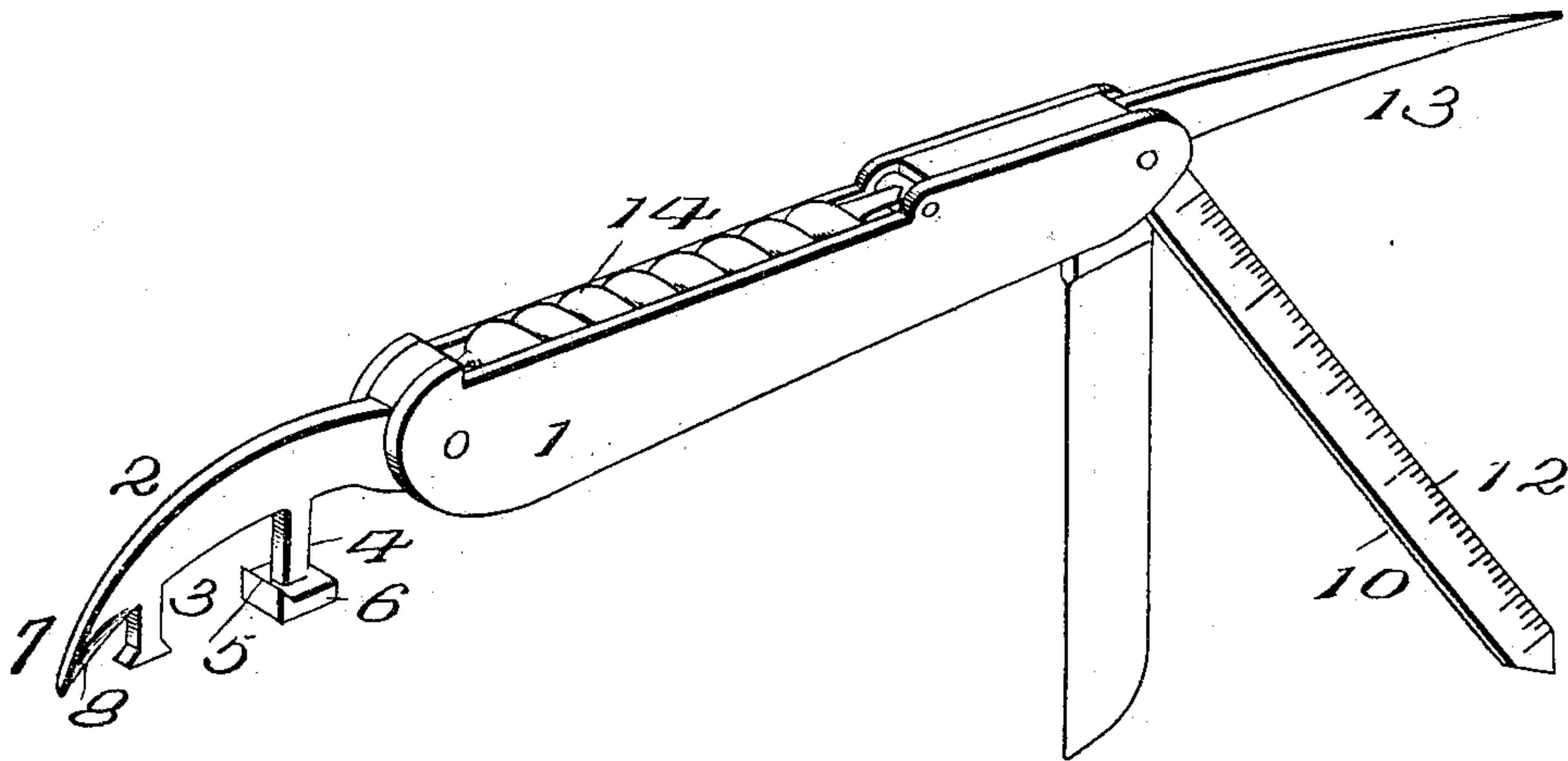
No. 758,928.

PATENTED MAY 3, 1904.

J. J. McGRATH.
COMPOUND TOOL.

APPLICATION FILED OCT. 2, 1903.

NO MODEL.



Witnesses

Geo. Irvine
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Inventor

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JOHN J. McGRATH, OF NEW YORK, N. Y.

COMPOUND TOOL.

SPECIFICATION forming part of Letters Patent No. 758,928, dated May 3, 1904.

Application filed October 2, 1903. Serial No. 175,513. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. McGRATH, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Compound Tools; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved compound tool, preferably in the form of a pocket-knife, so that its elements may readily be inclosed within a casing and conveniently carried.

The invention comprises a stopper-extractor, wire-puller, hammer, and cigar-box opener.

The invention will be hereinafter fully set forth, and particularly pointed out in the claim.

In the accompanying drawing the figure is a perspective view.

Referring to the drawing, 1 designates a casing and handle of a pocket-knife having the blades and other tools pivoted at its ends and capable of being folded inward when not in use.

2 designates the stopper-extractor designed to remove crown-stoppers. It is shown as consisting of a slightly-curved arm pivoted in the casing and having a bearing lug or post 3 near its outer free end designed to be placed upon the top of the crown-stopper and having a member 4 designed to engage the flange thereof. The members 3 and 4 project at right angles from the arm in approximate parallelism, the lug 3 having a broad flat extremity and the longer member 4 being provided on the outer side near its end with a claw-like flange 5 and terminating in a hammer-head 6.

The object of providing the arm with the broad bearing-lug 3 is to insure the device having the correct purchase upon the stopper to enable the operator to effect its quick re-

moval. It has heretofore been attempted to provide devices of this nature with pointed ends designed to pierce the stopper. Practice has demonstrated that the center of movement thus formed by the point does not always allow the claw end while being drawn upwardly to remain long enough in engagement with the stopper to effect its removal. Hence I provide a bearing-lug which while insuring sufficient purchase upon the stopper will yet move sufficiently to maintain the member 4 in engagement with the flange.

Outside of lug 3 the arm is flattened, as at 7, to provide a device for opening cigar-boxes, while the inner edge of its extremity is sharpened, as at 8. The wires securing the corks of champagne and ginger-ale bottles may readily be removed by engaging them between the extremity of the arm and lug 3 and then twisting the tool.

In the manufacture the extractor may be made of a single piece of steel of a thickness which will be accommodated within the casing. This being cut into the described shape provides the two lugs or posts of thickness corresponding to that of the body portion, thus strengthening the tool and rendering it capable of sustaining pressure.

I claim as my invention—

In a compound tool, the combination with the casing, of a stopper-extractor pivoted therein having a curved arm formed with a flattened extremity sharpened on its inner edge, a lug projecting from such arm having a broad bearing-surface, and a second longer lug having a flattened extremity forming a flange and a hammer-head.

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

JOHN J. McGRATH.

Witnesses:

GRAFTON L. MCGILL,
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