Jan. 5, 1954 F. O. CAIN 2,664,773

PIVOTED METAL-WORKING HAMMER

Filed Dec. 17, 1951

Fig. 1

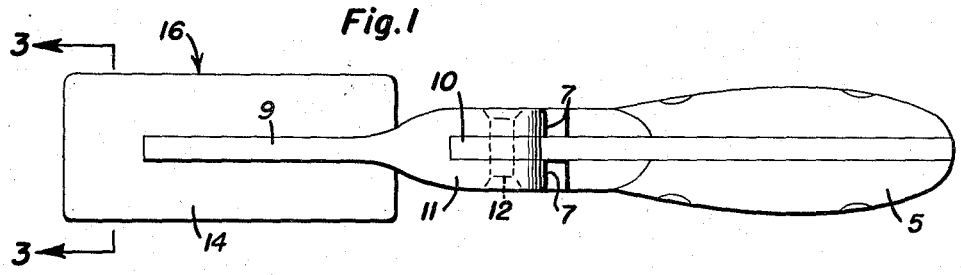


Fig. 2

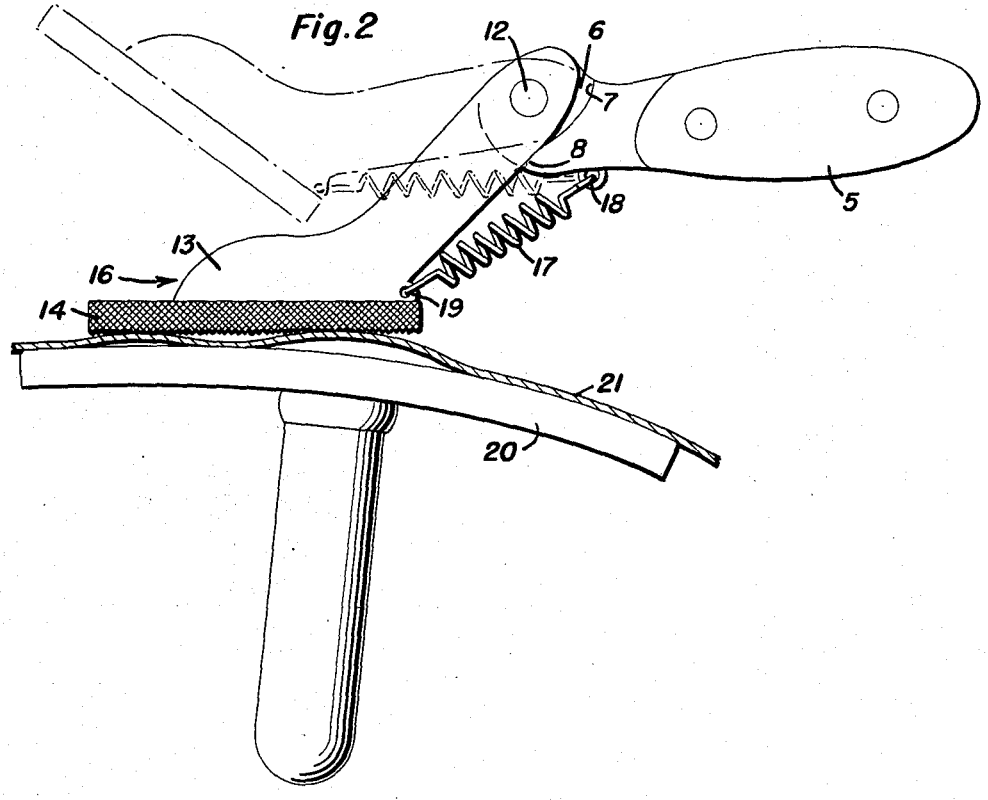
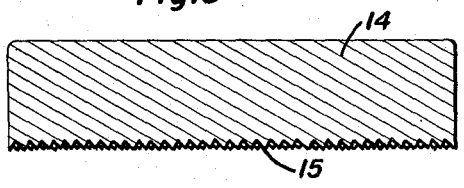


Fig. 3



Farrell O. Cain
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson
Attorneys

Patented Jan. 5, 1954

2,664,773

UNITED STATES PATENT OFFICE

2,664,773

PIVOTED METAL-WORKING HAMMER

Farrell O. Cain, Geneva, Ala., assignor of one-half to Hardy O. Cain, Geneva, Ala.

Application December 17, 1951, Serial No. 262,019

1 Claim. (Cl. 81—15)

1

The present invention relates to new and useful improvements in metal working tools for use primarily in conjunction with a dolly block in automobile body and fender work and has for its primary object to provide, in a manner as hereinafter set forth a device of this character comprising a novel construction and arrangement of pivoted, spring actuated hammer whereby dents, etc., may be expeditiously removed from metal.

Other objects of the invention are to provide a metal working tool of the character described which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, compact, light in weight and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a top plan view of a metal working tool constructed in accordance with the present invention;

Figure 2 is a view in side elevation of the tool, showing the device in use; and

Figure 3 is a view in transverse section through the head, taken substantially on the line 3—3 of Figure 1.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises an elongated handle 5 of appropriate shape. At its forward end portion, the side portions of the handle 5 are cut away or recessed, as at 6, in a manner to provide upper and lower stops 7 and 8, respectively.

A metallic arm 9 is mounted for swinging movement on the forward end portion 10 of the handle 5. Toward this end, the arm 9 includes a bifurcated end portion 11 which straddles the handle portion 10 and which is pivotally connected thereto, as at 12.

At its free end, the arm 9 terminates in a foot 13 having fixed thereon a longitudinally elongated striking head 14 in the form of a substantially rectangular metallic block. As best seen in Figure 3 of the drawing, the head 14 includes a roughened or toothed striking face 15.

The arm 9 and the head 14 constitute what may be considered a hammer which is designated generally by reference character 16. A coil spring 17 is operatively connected to the

2

hammer 16. One end of the spring 17 is connected at 18 to the handle 5 and the other end of said spring is connected at 19 to the hammer 16.

It is thought that the manner in which the device is used will be readily apparent from a consideration of the foregoing.

Briefly, a suitable dolly, as at 20, is engaged beneath the work 21. The other hand of the mechanic grips the handle 5 an the work is pounded with the hammer 16. The construction and arrangement is such that a spring actuated slapper action is had which permits harder, faster pounding with a shorter, more accurate stroke which does not jar the hand of the operator. The toothed or roughened face 15 of the head 14 quickly restores the metal to its original shape without stretching and with a smooth surface which substantially eliminates filing the work. The bifurcations 11 of the arm 9 are engageable with the stops 7 and 8 of the handle 5 for positively limiting swinging movement of the hammer 16 in both directions.

It is believed that the many advantages of a metal working tool constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction may be resorted to which will fall within the scope of the invention as claimed.

Having described the invention, what is claimed as new is:

A metal working tool comprising, an elongated handle, an arm comprising furcations on one end straddling an end portion of the handle and pivotally connected thereto, a serrated striking block of considerable area rigidly fixed on the free end of the arm, and upper and lower stops on the sides of the handle engageable with the furcations for positively limiting swinging movement of the arm in both directions, said lower stops extending forwardly beneath the pivotal connection for arresting and supporting said arm in a forwardly inclined position on said handle.

FARRELL O. CAIN.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
50,262	Monson	Oct. 3, 1865
77,752	Murray	May 12, 1868
1,120,947	Langager	Dec. 15, 1914
1,727,915	Thomson	Sept. 10, 1929