H. J. MORLEY AND G. L. GREEN.

RIVET HEAD CATCHER.

APPLICATION FILED JAN. 30, 1920.

1,340,787.

Patented May 18, 1920.

2 SHEETS—SHEET 1.

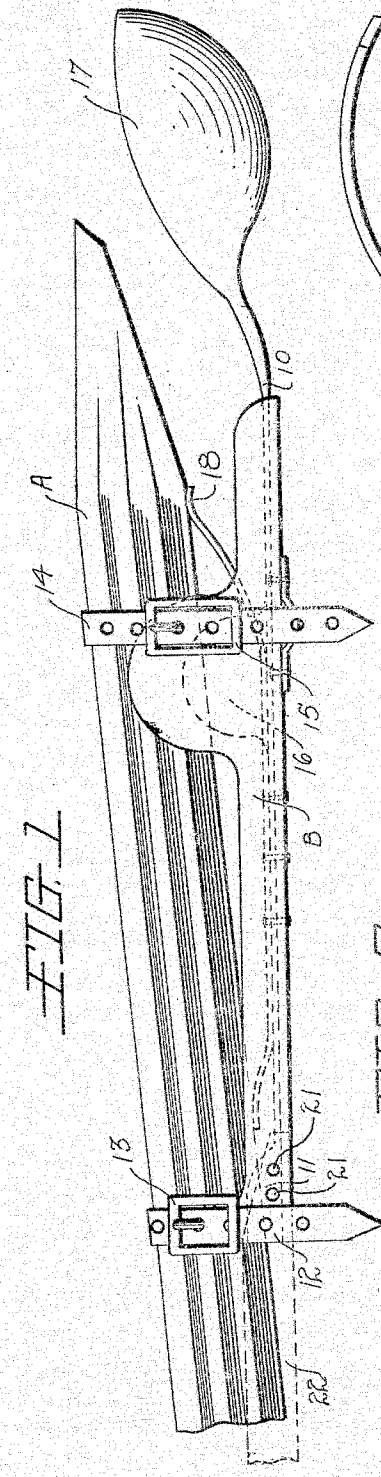


FIG. 1

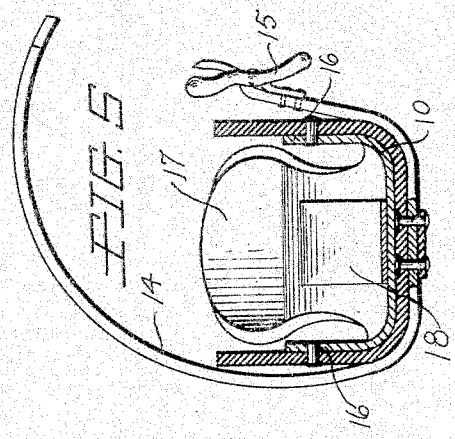


FIG. 5

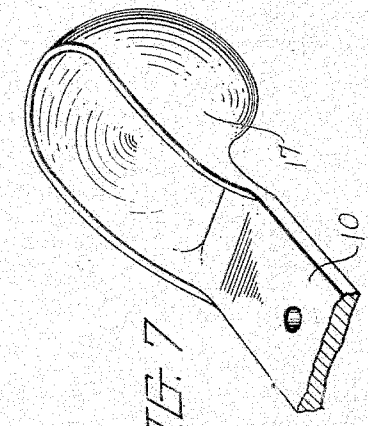


FIG. 7

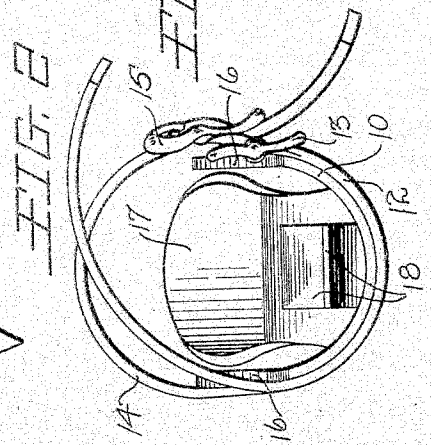


FIG. 8

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2 SHEETS—SHEET 2.

FIG. 3

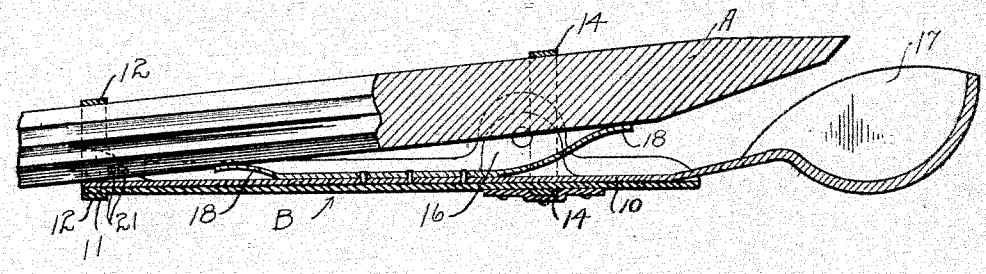


FIG. 4

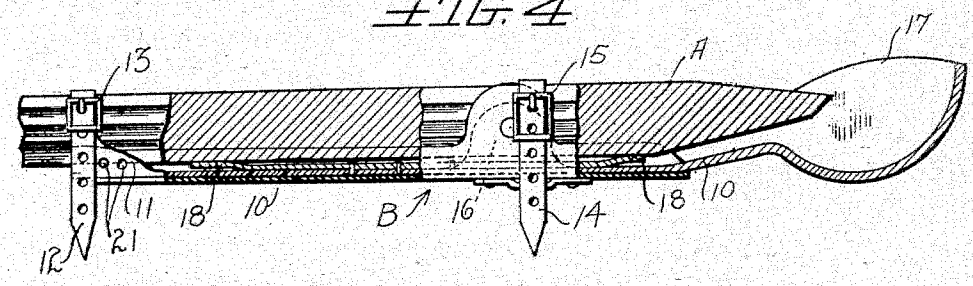
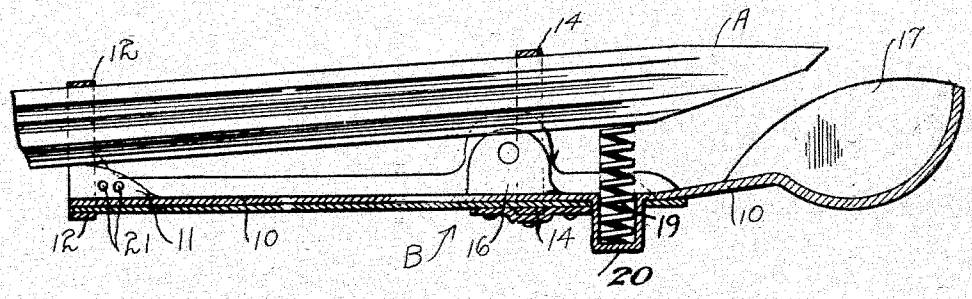


FIG. 6



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UNITED STATES PATENT OFFICE.

HARRY J. MORLEY AND GEORGE L. GREEN, OF LOGAN, OHIO.

RIVET-HEAD CATCHER.

1,340,787. Specification of Letters Patent. Patented May 18, 1920.

Application filed January 30, 1920. Serial No. 355,271.

To all whom it may concern:

Be it known that we, HARRY J. MORLEY and GEORGE L. GREEN, citizens of the United States, respectively, residing at Logan, in the county of Hocking and State of Ohio, have invented new and useful Improvements in Rivet-Head Catchers, of which the following is a specification.

This invention relates to tools, particularly to attachments for rivet cutting tools, and has for its object the provision of a device adapted to be attached to a cutting chisel whereby to catch rivet heads cut off and prevent them from flying.

An important object is the provision of a device of this character which is provided with spring means normally moving the rivet head catcher into position to release the head.

Another object is the provision of a device of this character which is provided with means whereby the releasing spring may be held inoperative so that the rivet head will be retained until positively removed.

A further object is the provision of a device of this character which is adjustable so that it may be engaged upon cutter bars of different sizes.

An additional object is the provision of a device of this character which will be simple and inexpensive in manufacture, highly efficient and safe in use, durable in service, and a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the details of construction to be hereinafter more fully described and claimed, and illustrated in the accompanying drawings in which—

Figure 1 is a side elevation showing one form of the device in position upon a cutter bar,

Fig. 2 is a rear elevation of the device,

Fig. 3 is a longitudinal sectional view in normal position,

Fig. 4 is a similar view showing the spring rendered inoperative by the central restraining strap,

Fig. 5 is a cross sectional view showing the spring compressing strap,

Fig. 6 is a longitudinal sectional view showing a modified form, and

Fig. 7 is a perspective view of the rivet head catcher member.

Referring more particularly to the drawings, the letter A designates a cutter bar or chisel such as is commonly used for cutting off rivet heads. In carrying out our invention we provide an attaching member B which is formed of an elongated body 10 of suitable material arcuate in cross section and adapted for association with the chisel bar. At one end the body 10 is formed with a semi-cylindrical portion 11 upon the ends of which are secured a strap 12 adjustably connected by means of a buckle 13. This construction enables the device to be attached to chisel bars of different diameters.

Secured at the intermediate portion of the body 10 is a strap 14 having an adjusting buckle 15. At this point the body 10 has formed upon the sides thereof ears 16 straddlingly engaging the chisel A. The other end of the body 10 is provided with a spoon-like member 17 which may be formed integrally with the body 10 or which may be secured thereto, if desired, and when the device is applied to a chisel this spoon member is disposed in position to catch rivet heads cut off by the chisel. In one form of the device we have shown a leaf-spring 18 secured upon the body 10 between the ears 16 and this spring engages the chisel for normally urging the device away from the chisel to an extent limited by the strap 14. In the other form we have shown a coil spring 19 disposed at the same location and having one end received within a depression 20 formed in the body 10 by stamping. The function of both springs is the same.

In the operation of the device it is so arranged with respect to the chisel that the spoon member 17 will be disposed adjacent the rivet head to be cut off. During the cutting operation the operator presses upon the intermediate portion of the body 10 and compresses the spring whereby the spoon member will be disposed very close to the cutting end of the chisel. When the rivet head is cut off it will fall into and be retained within the spoon member until the

operator releases pressure upon the intermediate portion of the body whereupon the spring will force the body away from the chisel and allow the rivet head to fall out of the spoon member. If desired, the strap 14 may be tightened by means of the buckle 15, so as to hold the spring entirely compressed. When this is done the rivet head caught by the spoon member will be retained therein until pushed out by any desired means.

The rear end of the body 10, that is the semi-cylindrical portion 11 is preferably provided with holes 21 adapted for the passage of securing members for holding an extension 22, this extension serving as means for moving the body toward and away from the chisel, against the resistance of the spring in case it is necessary to cut rivet heads at a considerable distance away.

From the foregoing description and a study of the drawings it will be apparent that we have thus provided a simply constructed and yet highly efficient device adapted for association with a chisel whereby rivet heads cut off by a chisel may be caught and prevented from flying and consequently injuring the workmen.

While we have shown and described the preferred embodiment of our invention it is of course to be understood that we reserve the right to make such changes in the form, construction, and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claims.

Having thus described our invention, we claim:

1. In combination with a rivet cutting chisel, a rivet head catcher comprising a body detachably engaged upon the chisel and having one end embracingly engaging the same and the other end formed as a spoon member located adjacent the cutting edge of the chisel, and a spring disposed intermediate the ends of said body and engaging the chisel.

2. A rivet head catcher comprising an elongated body provided at one end with means embracingly engaging a chisel bar and having its other end provided with a spoon member disposed adjacent the cutting edge of the chisel, an adjustable flexible member connected with the central portion of the body and extending around the chisel, and a spring at the intermediate portion of the body engaging the chisel, said flexible member being adjustable whereby to clamp the body against the chisel with said spring compressed.

In testimony whereof we affix our signatures.

HARRY J. MORLEY.
GEORGE L. GREEN.