

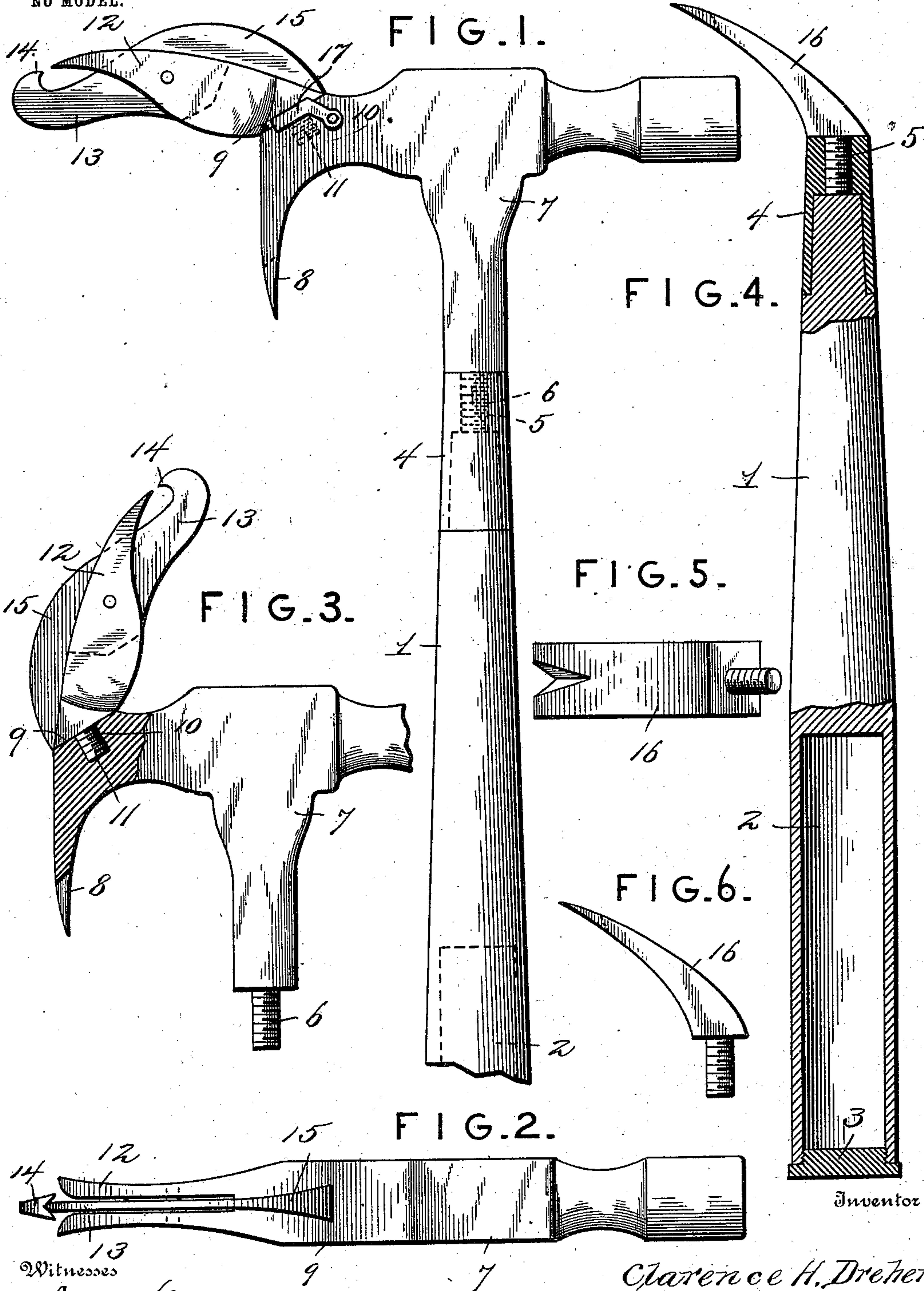
No. 724,268.

PATENTED MAR. 31, 1903.

C. H. DREHER.  
COMPOUND TOOL.

APPLICATION FILED JAN. 30, 1903.

NO MODEL.



Inventor

Witnesses

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# UNITED STATES PATENT OFFICE.

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## COMPOUND TOOL.

SPECIFICATION forming part of Letters Patent No. 724,268, dated March 31, 1903.

Application filed January 30, 1903. Serial No. 141,191. (No model.)

*To all whom it may concern:*

Be it known that I, CLARENCE H. DREHER, a citizen of the United States, residing at Stroudsburg, in the county of Monroe and State of Pennsylvania, have invented new and useful Improvements in Compound Tools, of which the following is a specification.

My invention relates to new and useful improvements in compound tools; and its object is to provide a combined hammer, tack-puller, and tack-holder which is of simple and inexpensive construction.

The invention consists in providing a hammer the head of which is preferably provided with claws of the ordinary construction. An additional attachment for pulling tacks is detachably secured to the head at a point adjacent to the claws thereon, and this attachment is so mounted as to permit it to be turned at a desired angle to the head.

The invention also consists in providing a handle for the hammer which is recessed to form a receptacle in which tacks or other objects may be held. The inner end of this handle is detachably secured to the head of the hammer, and, if desired, said head can be removed and the attachment before referred to secured to the handle.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a side elevation of my improved compound tool. Fig. 2 is an end view thereof. Fig. 3 is a side elevation of the head of the hammer and showing the attachment at an angle to the head of the hammer. Fig. 4 is a view of the handle, partly in section and showing a modified form of attachment connected thereto; and Figs. 5 and 6 are end and side views, respectively, of said modified form.

Referring to the figures by numerals of reference, 1 is a handle, of any suitable material, having a recess 2 in the free end thereof, which is adapted to be closed by a cap 3 of any suitable form. This recess serves the purpose of a receptacle for holding tacks or other suitable objects. The opposite end of

the handle is preferably provided with a ferrule 4, having a threaded aperture 5 therein, which is adapted to receive the threaded stem 6 of the hammer-head 7. This head has inwardly-extending claws 8 of ordinary construction and arrangement; but the outer face of the hammer is beveled at a point opposite said claws, as shown at 9, and has a threaded recess 10 therein. This recess is adapted to receive a threaded stem 11 of an attachment for pulling tacks. This attachment comprises a forked arm 12, the outer edge of which is curved and is adapted to be moved into position so that it will be flush with the claw end of the head 7. A gripping member 13 is pivoted within the forked arm 12 and extends therethrough. The end thereof which is adjacent to the free end of arm 12 is forked and hooked, as shown at 14, while the opposite end 15 thereof extends beyond the curved edge of arm 12 for the purpose hereinafter described and forms a curved bearing.

When it is desired to pull a tack by means of this attachment when in the position shown in Fig. 3, the forked arm 12 is placed under the head thereof and the end 15 of arm 13 will swing downward and raise the hooked end 14 of said arm a sufficient distance to permit the head of the tack to pass between it and the end of arm 12. When the handle of the hammer is pressed downward, the head 7 will bear upon the end 15 of member 13 and force the hooked end 14 over the head of the tack and into engagement therewith. Said hammer-head will then rock upon the end 15 and the claw end of the head and draw the tack upward as the arm 12 is raised. When the attachment is in the position illustrated in Fig. 3, it is practically impossible to drive tacks in corners. Before this can be done it is necessary to swing the attachment into the position shown in Fig. 1. While in this position said attachment can still be used for pulling tacks, because the curved edge of the end 15 of member 13 forms a sufficient bearing to enable the end of arm 12 to be swung upward after the same has been placed under the head of the tack.

If desired, the head 7 can be detached from the handle by unscrewing stem 6. The stem



11 of the attachment can then be placed in the ferrule 4 and the device used solely as a tack-puller.

In Figs. 4, 5, and 6 I have shown a modified form of attachment, which comprises a claw member 16, which is so shaped that when the same is placed in position upon the beveled face 9 of the head it will form a continuation of the curve of the outer edge of the claw end of the head. This attachment can, however, be turned into a position similar to that illustrated in Fig. 1 when it is desired to use the hammer in a corner.

If desired, a dog 17 may be pivoted to one side of the head 7, so as to project over the inner end of arm 12 and hold it in the position shown in Fig. 1.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus described the invention, what is claimed as new is—

1. In a compound tool, the combination with a handle; of a tack-puller attachment detachably connected therewith and comprising a forked arm, and a hooked member pivoted thereto and extending therethrough.

2. In a compound tool, the combination with a handle; of a tack-puller attachment detachably connected therewith and comprising a forked arm, a threaded stem thereto, a gripping member pivoted within and extending through said arm, a hooked end to said member adjacent to the forked end of the arm, and a curved bearing-surface to said member.

3. The combination with a handle; of a hammer-head detachably secured thereto and having claws at one end thereof, an attachment detachably secured to said head and comprising a forked arm having a curved edge adapted to form a continuation of the claw end of the head.

4. In a compound tool, the combination with a handle having a threaded recess in one end thereof; of a hammer-head having claws at

one end thereof, a threaded stem to the head adapted to engage the recess in the handle, a tack-puller attachment comprising a forked arm, one edge of which is adapted to be held in alinement with one end of the head, and means for detachably securing said arm to the head.

5. In a compound tool, the combination with a handle having a recessed end and a closure for said end; of a hammer-head having claws at one end thereof, a threaded stem to the head adapted to engage the handle, a tack-puller attachment comprising a forked end, a threaded stem thereto for detachably securing the arm to the head, a gripping member pivoted within and extending through said arm, a hooked end thereto, and a curved bearing end to the member.

6. In a compound tool, the combination with a handle having a recess therein, means for closing the recess, and a threaded recess in the opposite end of the handle; of a hammer-head, a threaded stem thereto adapted to engage the threaded recess, said head having claws at one end and a threaded recess adjacent to the claws, a tack-puller attachment comprising a forked arm, one edge of which is adapted to be held in alinement with the claw end of the hammer, a threaded stem to said arm adapted to engage the recess in the head of the hammer, a gripping member pivoted within and extending through the forked arm, a hooked end thereto, and an outwardly-extending curved bearing edge to the member.

7. The combination with a handle; of a hammer-head detachably secured thereto and having claws at one end thereof, an attachment detachably secured to said head and comprising a forked arm having a curved edge adapted to form a continuation of the claw end of the head, a forked hooked member pivoted thereto and extending therethrough, and means for locking the puller to the head.

In testimony whereof I affix my signature in presence of two witnesses.

CLARENCE H. DREHER.

Witnesses:

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