I. E. STUMP.

TOOL.

APPLICATION FILED MAY 9, 1906. RENEWED AUG. 11, 1908.

918,483. Patented Apr. 13, 1909.

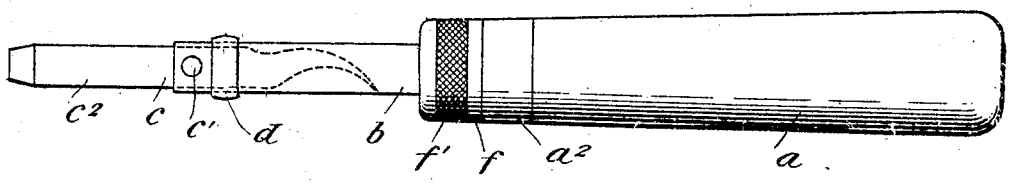


Fig. 1.

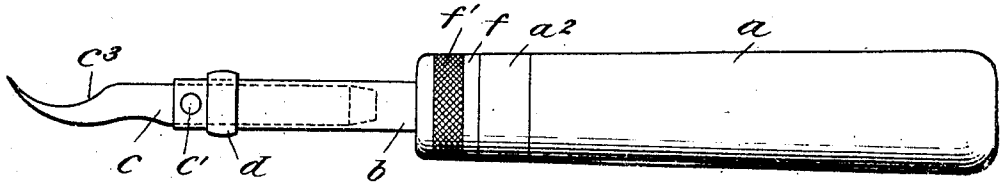


Fig. 2.

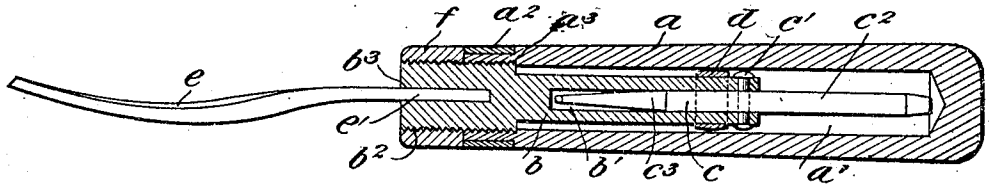


Fig. 3.

Witnesses:

Arthur Peslay

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UNITED STATES PATENT OFFICE.

IRA E. STUMP, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO C. F. SEARLES, OF CLEVELAND, OHIO.

TOOL.

No. 918,483. Specification of Letters Patent. Patented April 13, 1909.

Application filed May 9, 1906, Serial No. 315,894. Renewed August 11, 1908. Serial No. 448,002.

To all whom it may concern:

Be it known that I, IRA E. STUMP, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented new and useful Improvements in Tools, of which the following is a specification.

My invention relates to tools as used in the construction and repair of engines.

I have found by experience that in performing work of this character it necessitates the carrying around of a great number of tools, among which are many which require careful handling and to obviate these inconveniences it is the object of my invention to provide a construction comprising three of the most important of the above mentioned tools, and in which two of the tools will be held out of danger of breaking while they may be quickly and easily brought into the working position. With these and other objects in view I will proceed to describe my invention, reference being made to the accompanying drawings, in which,

Figures 1 and 2 are elevations showing the parts in different positions; Fig. 3 is a central longitudinal section showing the parts in still another position.

a, represents a handle of wood or other suitable material, having a central, longitudinal bore *a'*, open at one end, and a^2, is a metal reinforcing ring supporting the threaded portion a^3, of said bore.

b, is a metal bar, longitudinally slotted at *b'*, and provided with screw threads b^2, at the opposite end.

c, is a shank pivotally mounted in the slot *b'*, at one end of the bar *b*, by means of the pivot pin *c'*. The shank *c*, is provided with the tools c^2 and c^3, one at either end, and is adapted to be swung on the pivot *c'*, to bring either of said tools into a working position, and when in such a position the other of said tools will engage within the slot *b'*, and will be held therein by means of the collar *d*, slidably mounted on the bar *b*.

e, is a tool having a flattened portion *e'*, adapted to forcibly fit within the slot b^3, in the end of the bar *b*, adjacent the screw threads b^2.

f, is a collar having a milled outer face *f'*, and a threaded bore adapted to engage upon the threads b^2, and bind against the end of the handle *a*, as shown, when the bar *b*, or the tool *e*, is inserted within the handle, and the threads b^2, engage with the threads a^3, of the handle.

Having described my invention I will now describe the operation, first giving the nature and functions of the tools I have selected to combine. The tool c^2, is used as a screw driver and also serves to divide the cotterel pins so frequently used in engines of all classes, and the tool c^3, is used to extract the cotterel pins by means of its hook shaped end. The tool *e*, is a universally used means for scraping fitting bearings although it is a delicate tool as tools of this class run, and should, by all means, have some protection while not in use. Taking for instance the device when the scraping tool is in a working position and the other portions locked within the handle; to move the screw driver to a working position the screw collar is unscrewed a short space, the slotted bar unscrewed and taken out, the screw driver moved on the pivot, the collar *d*, moved to lock the pin extractor within the slot, the whole bar reversed, again screwed in the handle and locked the same as before, by means of the screw collar.

From the foregoing description, it will readily be seen that I provide a simple construction wherein the operation of moving either of the tools may be quickly and easily performed, and taking into consideration these advantages.

What I claim as new and patentable and desire to secure by Letters Patent, is,

1. The combination of a handle having a threaded socket, a reversible tool-holder threaded at one end and screwed partially into the socket, and a threaded collar screwed on the projecting end of the holder and against the end of the handle.

2. The combination of a handle having

a socket, a reversible tool-holder having a reduced portion at one end, and a larger portion at the other end which fits the socket, a shank having a tool at each end, pivoted to said reduced portion and adapted to enter the socket therewith, a collar slidable on said reduced portion, and means to lock the holder in the socket.

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

IRA E. STUMP.

Witnesses:
JOHN A. BOMMHARDT,
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