(No Model.)

H. S. BUCKLAND.

TOOL SECURING DEVICE.

No. 526,291. Patented Sept. 18, 1894.

Fig. 1.

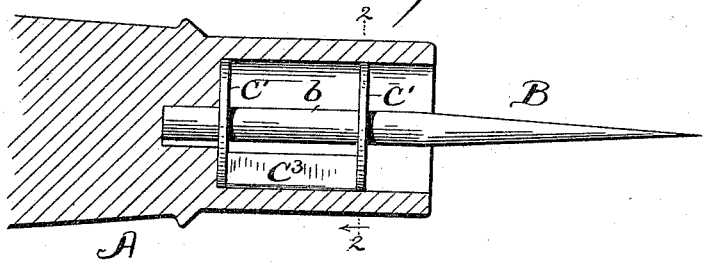


Fig. 2.

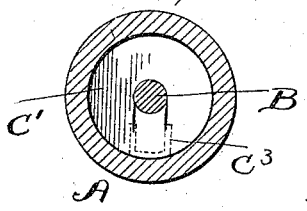


Fig. 5.

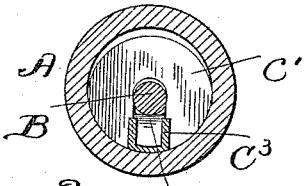


Fig. 3.

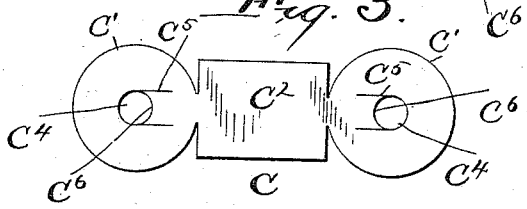
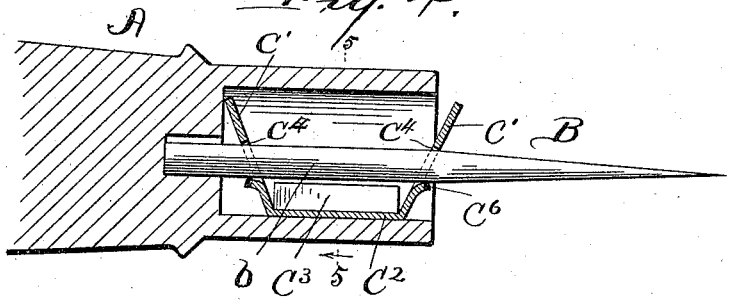


Fig. 4.



Witnesses.
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By Seggett & Seggett
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UNITED STATES PATENT OFFICE.

HORACE S. BUCKLAND, OF FREMONT, OHIO.

TOOL-SECURING DEVICE.

SPECIFICATION forming part of Letters Patent No. 526,291, dated September 18, 1894.

Application filed March 19, 1894. Serial No. 504,200. (No model.)

To all whom it may concern:

Be it known that I, HORACE S. BUCKLAND, of Fremont, in the county of Sandusky and State of Ohio, have invented certain new and useful Improvements in Tool-Securing Devices; 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 pertains to make and use the same.

My invention relates to improvements in securing devices for fastening the working-member of a tool, such, for instance, as an awl or screw-driver, within the chambered handle, ferrule, shell or holder, the object being to provide a securing-device for the purpose indicated that is exceedingly simple in construction and inexpensive; that possesses great durability and can be easily applied, and whereby the member of the tool to be secured within the handle, ferrule or holder, is so firmly held in place that it is not liable to work loose in the use of the tool.

With this object in view, my invention consists in certain features of construction, and in combinations of parts, hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation, partly in central longitudinal section, showing the working member of an awl secured within a chambered handle, ferrule or holder by my improved securing-device. Fig. 2 is a transverse section on line 2—2, Fig. 1, looking in the direction of the arrow. Fig. 3 is a plan view of a blank employed in the formation of the device used in securing the working-member of the tool within the receiving-ferrule, handle or holder. Fig. 4 is a side elevation, mostly in central longitudinal section, exhibiting the manner of assembling the parts preparatory to securing them in place. Fig. 5 is a transverse section on line 5—5, Fig. 4.

Referring to the drawings, A designates a chambered handle, ferrule or holder, into which is introduced and suitably secured the shank *b* of the working-member B of the tool, such, for instance, as an awl, illustrated in the drawings that form a part of this application.

Member B of the tool is shown suitably secured within the handle, ferrule or holder, and the means employed for the purpose is preferably formed of a single piece, C, preferably of sheet metal, said piece being shaped as shown in Fig. 3, and comprising three members C′ C′ and C^2, arranged in line, as shown, with the two end-members C′ C′ substantially the same in construction, and adapted, when bent laterally, as will hereinafter appear, to tightly fit the handle, ferrule or holder internally. The blank is bent into the shape shown in Figs. 4 and 5, that is, the central member C^2 of the blank, at two points located a suitable interval apart, is bent laterally, as at C^3, in the same direction and on lines extending longitudinally of the blank, and the end-members C′ C′, at the junction of said members with the central member or connecting web C^2, are bent laterally in the same direction so as to be capable of being subsequently folded or pressed against the ends of the laterally-bent portions or wings C^3 of member C^2, wings or members C^3 forming stops to prevent members C′ C′ from being pressed laterally too far. The end-members C′ C′ of the blank are also perforated laterally and centrally, as at C^4, for the reception of member B of the tool.

Each member C′ of the blank for forming my improved securing-device, is provided with two slots or slits C^5 in open relation with perforation C^4 in order to form a lip or tooth C^6. The central perforations or holes C^4 in members C′ C′ are of such size and shape as to nicely receive the shank or member B of the tool, and lips or teeth C^6 project somewhat outwardly, as shown in Fig. 4, so that when the parts are assembled and secured in place, as shown in Figs. 1 and 2 with members C′ C′ tightly engaging the handle, ferrule or holder internally, lips or teeth C^6 formed upon members C′ C′ are straightened into line with the body-portion of the respective member C′, and thereby caused to bite or tightly engage the adjacent portion of the shank or member B of the tool, resulting in firmly securing said member of the tool within its handle, ferrule or holder.

What I claim is—

1. A device for securing the working-member of a tool within a ferrule, handle or holder, consisting of two securing-members located a suitable interval apart and embrac-

ing the working-member of the tool, said embracing and securing-members suitably fitting the ferrule, handle or holder internally and being provided with lips, teeth or projections for biting or clutchingly engaging the working-member of the tool, substantially as set forth.

2. A device for securing the working-member of a tool within a ferrule, handle or holder consisting of two securing-members C′ C′ located a suitable distance apart, said securing-members being adapted to engage the holder or handle internally and being connected by a web, and said securing-members having lips, teeth or projections for biting or clutchingly engaging the working-member of the tool, substantially as set forth.

3. The combination with the working-member of a tool and the handle, ferrule or holder for receiving said member, of a securing-device consisting of two members C′ C′ arranged a suitable distance apart and tightly fitting the handle, ferrule or holder internally and lips, teeth or projections formed upon said members and in biting or clutching engagement with the shank of the working-member of the tool, substantially as and for the purpose set forth.

4. A device for securing the working-member of a tool in a handle, ferrule or holder, consisting of two securing-members C′ C′ located a suitable distance apart, and one or more stops between said members to limit the movement of the latter toward each other, the securing-members being provided with teeth, lips or projections adapted to bite or frictionally engage the working-member of the tool, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 14th day of February, 1894.

HORACE S. BUCKLAND.

Witnesses:
WARD HOOVER,
ELLA E. TILDEN.