

(No Model.)

T. H. NEAL.

DEVICE FOR SECURING EDGED TOOLS TO THEIR HANDLES.

No. 374,369.

Patented Dec. 6, 1887.

Fig. 1.

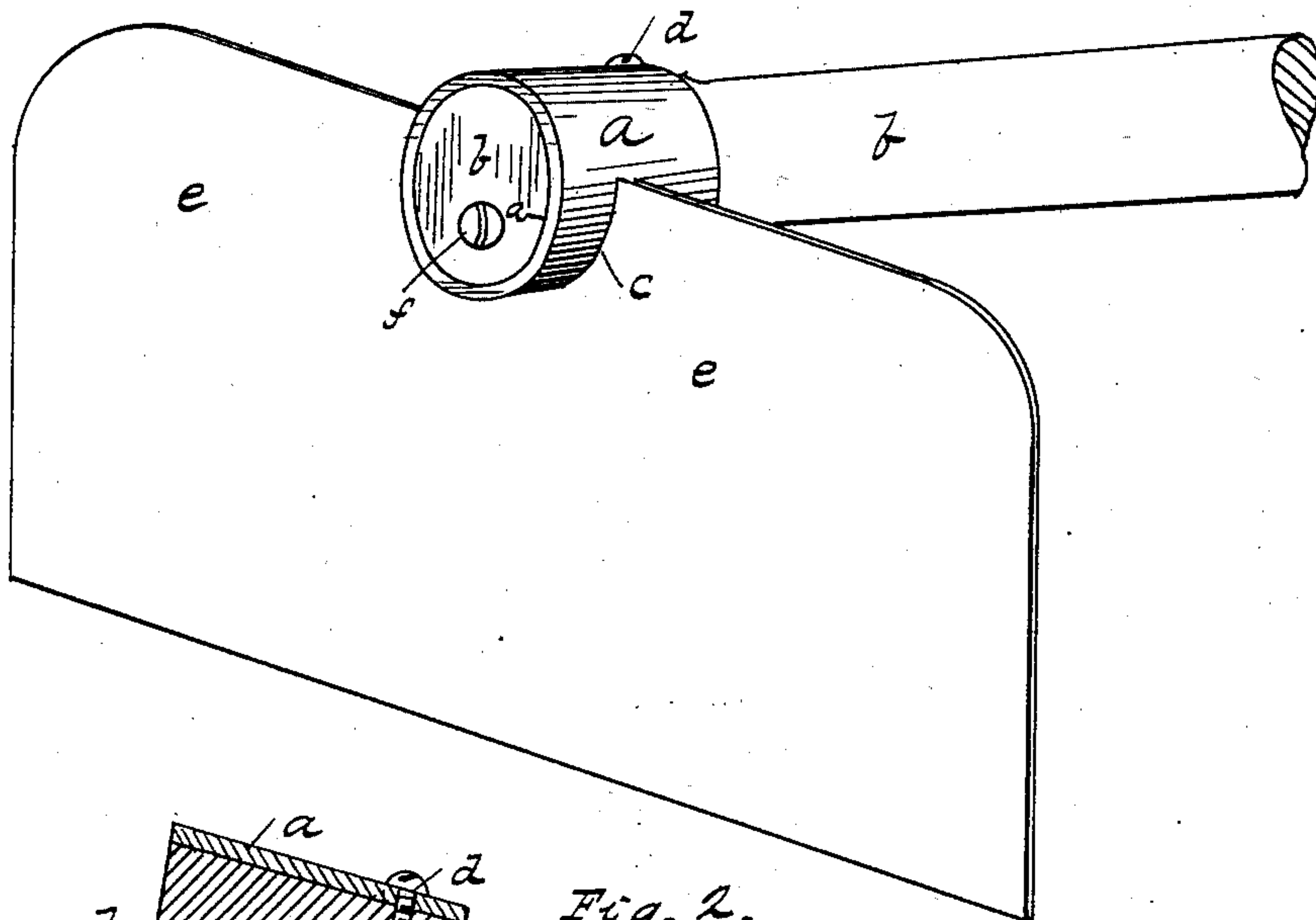
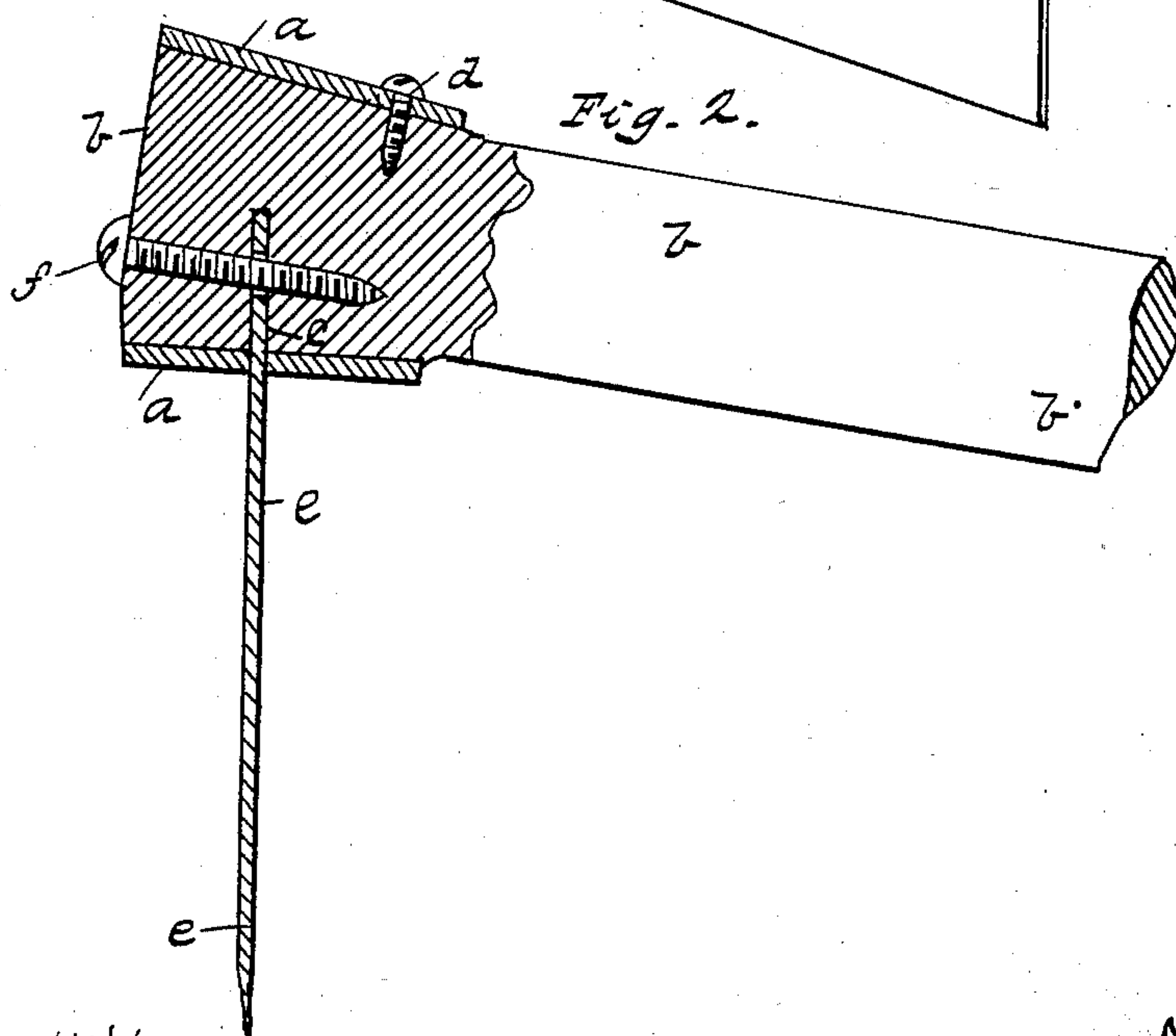


Fig. 2.



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DEVICE FOR SECURING EDGED TOOLS TO THEIR HANDLES.

SPECIFICATION forming part of Letters Patent No. 374,369, dated December 6, 1887.

Application filed May 16, 1887. Serial No. 238,418. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. NEAL, a citizen of the United States, residing at Bellevue, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in a Device for Securing Edged Tools to their Handles; 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, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved device for securing edged tools to their handles, the objects being to provide a means whereby edged tools—such as hoes, scrapers, foot-adzes, &c.—may be readily attached or released from their handles in a simple and durable manner and at a comparatively small cost; and with these ends in view my invention consists in placing a tapering sleeve over one end of the handle, in which I form a transverse slot or deep groove, together with certain other details of construction, as will be more fully described hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of a garden-hoe constructed in accordance with my invention. Fig. 2 is a side sectional elevation of the same.

To put my invention into practice and give the same bodily form, I provide a circular tapering metallic sleeve, *a*, and fit the same neatly on the one end of the handle *b*. On the under side of this sleeve *a*, I form a deep transverse incision or slot, *c*, of the same width as the blade *e* of the tool to be attached to the handle.

On the top of the sleeve *a* is a small circular opening, in which is placed a wood-screw, *d*, which secures the sleeve *a* in position. I also perforate the blade *e* near the top and at an equal distance between the sides. Through this perforation I place a large wood-screw, *f*, in the direction of the length of the handle *b*. This screw *f* prevents the blade *e* from detaching itself from the handle *b*, should the slot spread from constant use. This slot *c* is placed at any angle to correspond to the different tools. For a garden-hoe the slot *c* inclines inwardly; for a foot-adz in the same position, only at a greater angle. For a scraper the slot is placed at right angles to the handle. Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A device for securing edged tools to their handles, consisting of a circular tapering metallic sleeve, *a*, neatly fitted to one end of the handle *b* of the tool and provided with a transverse incision or slot, *c*, in which the blade *e* is secured, and a suitable number of wood-screws, *d f*, for further attaching the same to the handle *b*.

2. In a device for securing edged tools to their handles, a circular tapering metallic sleeve, *a*, having on its under side a deep transverse incision or slot, *c*, as and for the purpose described.

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