

(No Model.)

W. A. PECK.
AUGER HANDLE.

No. 309,313.

Patented Dec. 16, 1884.

fig 1

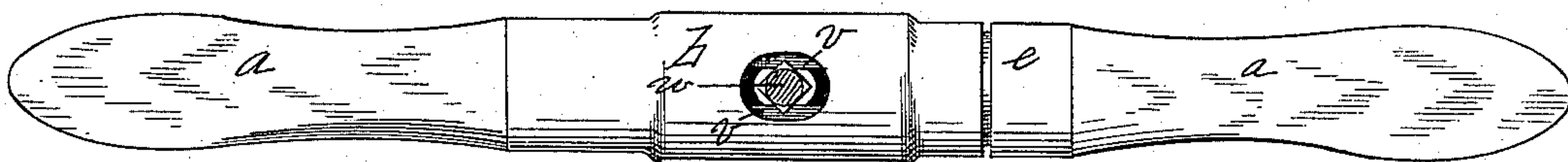


fig 2

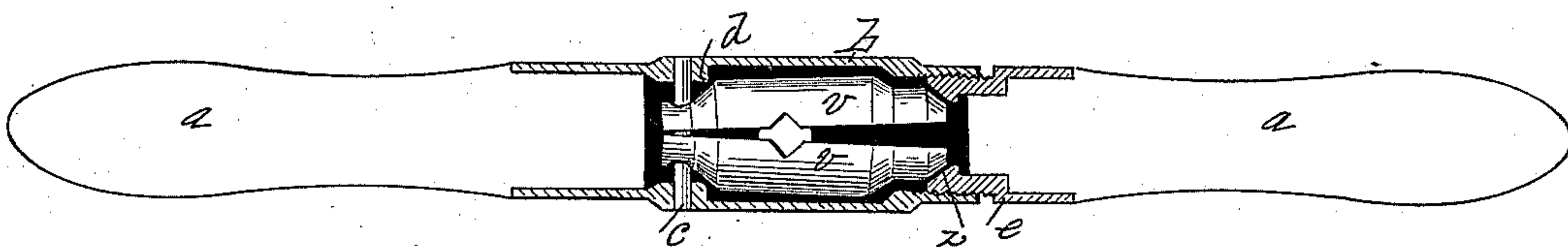


fig 3

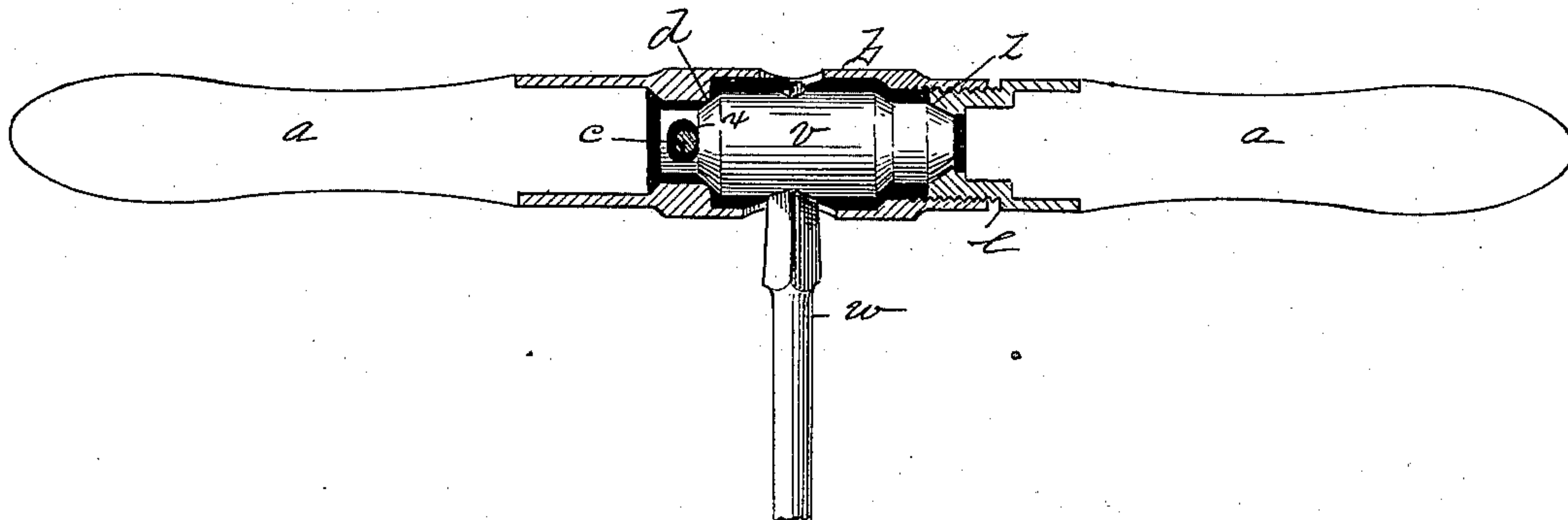
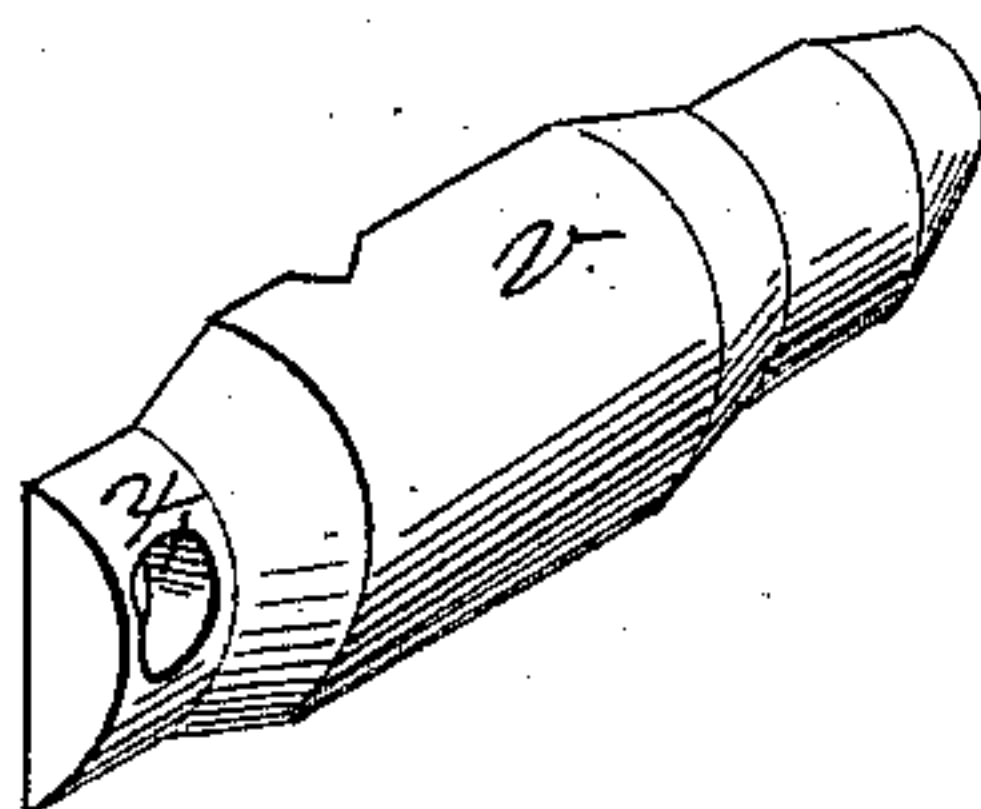


fig 4



WITNESSES:

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WILLIAM A. PECK, OF ROWE, MASSACHUSETTS.

AUGER-HANDLE.

SPECIFICATION forming part of Letters Patent No. 309,313, dated December 16, 1884.

Application filed May 26, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. PECK, a citizen of the United States, residing at Rowe, in the county of Franklin and State of Massachusetts, have invented new and useful Improvements in Adjustable Auger-Handles, of which the following is a specification.

This invention relates to improvements in adjustable auger-handles, the object being to provide improved clamping devices in an auger-handle, which are adjustable to varying sizes and tapers of auger-shanks, and which embody improved means for operating the same, whereby the clamps are made to grip the auger-shank with great force.

In the drawings forming part of this specification, Figure 1 is a plan view of the under side of an auger-handle; and Fig. 2 is a similar view thereof, showing the centrally-located clamp-case in section. Fig. 3 is a side elevation, partly in section, and said three figures illustrate an auger-handle constructed according to my invention. Fig. 4 is a view of one of the clamps.

In the drawings, *b* is the clamp-case, to one end of which is fixed one of the ordinary wooden handles, *a*, and the other one is secured to the clamp-collar *e*, which screws into one end of said case *b*. The inner end of the clamp-collar *e* is made with an interior inclined clamp-seat, *z*. The clamp-case, as well as the collar *e* and the clamps *v v*, are of suitable metallic construction. The case *b* is provided with an annular shoulder, *d*, around its interior, and has the clamp-pin *c* passing transversely through it, and adapted to be firmly secured thereto. The clamps *v v* are provided each with a shank-groove, as shown, to furnish a suitable receiving-socket for the tapering shank of the auger *w*, and one end of each clamp is perforated to form a pin-hole, *x*, through which the pin *c* passes when the clamps are in operative position in the case *b*, and on which the clamps have a certain degree of vibratory motion and an endwise movement,

and hence said pin-holes are made larger than the pin *c*. The ends of the clamps *v* adjoining the shoulder *d* are beveled, as also are their ends adjoining the inner end of the collar *e*, and the last-named ends of the clamps are adapted to have a bearing on the above-mentioned seat *z* in the collar when the latter is forced against them, as hereinafter set forth. By reason of the size of the hole *x*, as compared with that of the clamp-pin *c*, as above described, the clamps are permitted to rock on the pin to adjust themselves to auger-shanks of greater or less taper, and therefore they adapt themselves to large and small shanks. In Fig. 3 only the shank part of an auger, *w*, is shown.

In operating my improvements the handle *a*, which has the collar *e* secured to it, is turned to unscrew the latter to draw it away from the ends of the clamps *v* and let them open. The shank of the auger is then inserted between the clamps, and said collar-handle is turned, forcing collar *e* against the ends of the clamps, and thereby they are first moved against the shoulder *d*, whereby their ends adjoining the latter are forced together, and simultaneously therewith the ends of the clamps in the collar are likewise forced toward each other, and, consequently, the shank of the auger is tightly secured between the clamps, and the latter adjust themselves to the taper and size of the shank. Turning collar *e* a little away from the ends of the clamps releases the auger-shank.

What I claim as my invention is—

In an auger-handle, the clamp-case *b*, having shoulder *d* therein, the clamps *v v*, having their ends beveled, the pin *c*, passing through said case and the ends of the clamps, and the screw-collar *e*, adapted to be forced against one end of the latter, combined and operating substantially as set forth.

WILLIAM A. PECK.

Witnesses:

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A. K. HAWKS.