

W. H. HOFFMAN.

Tool Receptacles for Metal-Working Machines.

No. 164,561.

Patented June 15, 1875.

Fig. 1.

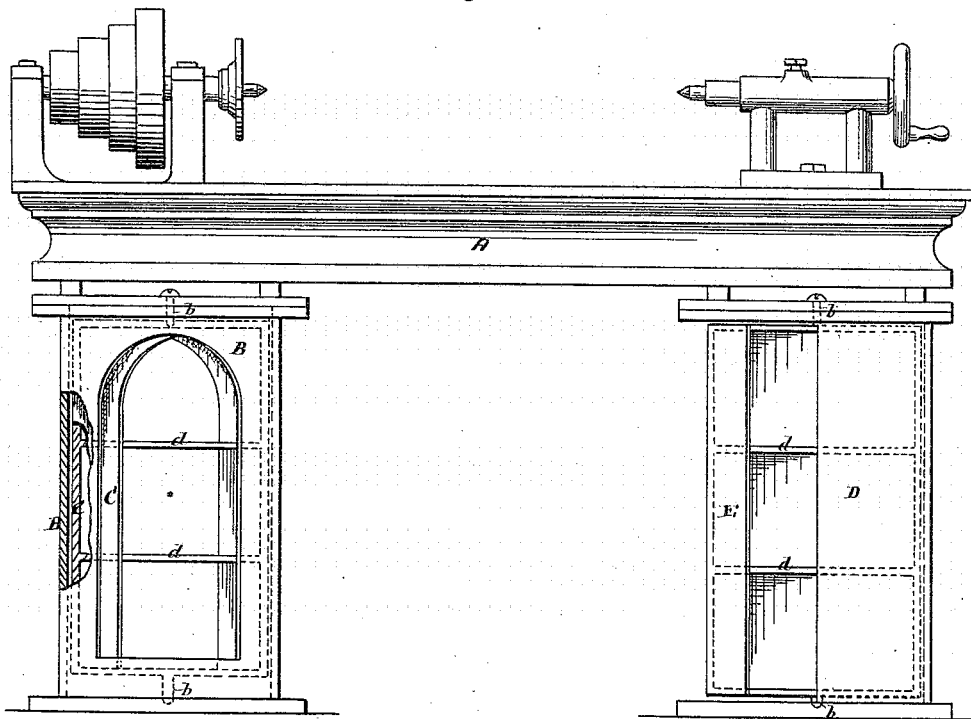
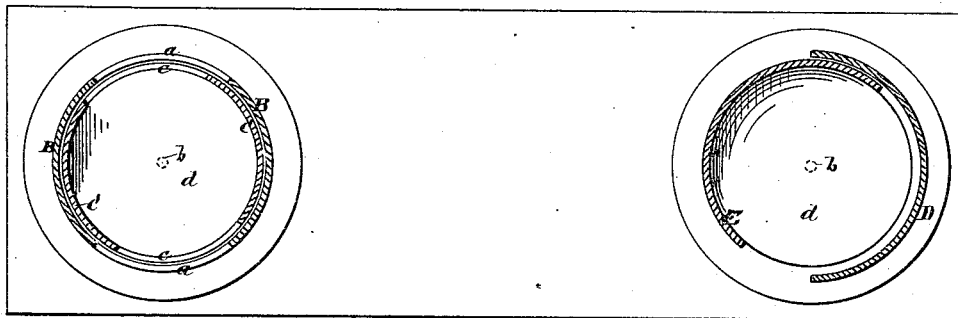


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN TOOL-RECEPTACLES FOR METAL-WORKING MACHINES.

Specification forming part of Letters Patent No. 164,561, dated June 15, 1875; application filed March 2, 1875.

To all whom it may concern:

Be it known that I, WILLIAM H. HOFFMAN, of Passaic, in the State of New Jersey, have invented certain new and useful Improvements in Combined Tool-Closets and Machine-Supporting Structures, of which the following is a specification:

Supports for engine-lathes and other machinery have heretofore been constructed so as to constitute closets for containing tools and other devices used in connection with the machinery. Such combined supports and closets have been made hitherto in one of two ways—that is to say, either with close and imperforate sides, which exclude the light and render it difficult for the workman to lay his hand on the tool wanted, or with lattice or open-work sides, as shown in Letters Patent No. 156,745. In either case, however, there has been used a hinged and swinging door.

The combined tool-closet and machine-support made in accordance with my present invention differs from those heretofore devised, in that the hinged and swinging door is dispensed with. The closet, when closed, presents imperforate sides, which exclude all dust and dirt; and, on the other hand, when opened, admits the light so freely as to remove all obscurity from its interior.

To accomplish these results, I combine, with an outer cylindrical shell, an inner cylindrical shell containing the shelves, the two shells being formed with openings in their sides, corresponding to each other, and one of the shells being capable of a movement of rotation, under which arrangement it may be turned so as to bring the opening or openings in it into coincidence with the opening or openings in the other shell whenever access to the shelves is desired.

The manner in which my invention is or may be carried into effect will be understood by reference to the accompanying drawing, in which—

Figure 1 is a side elevation of a machine-frame embodying my improvements. Fig. 2 is a horizontal section through the supports.

The bed A, carried by the support, is in the present instance the bed of an engine-lathe.

It is upheld by two supports, each of which, while differing somewhat in details of construction, embodies the same general feature which constitutes the gist of my invention. The support on the left of the machine consists of a fixed stationary shell, B, in the side of which, and diametrically opposite each other, are formed openings *a a*. Within the fixed outer shell, which constitutes the support proper of the lathe-bed, is fitted snugly an inner shell, C, mounted on pintles *b b*, so as to rotate on a vertical axis, and formed with openings *c c*, which correspond to openings *a a* in the outer shell. Fixed within the inner shell are shelves *d d*.

By rotating the inner shell its opening can be brought into coincidence with those in the outer shell, as shown in the drawing, in which position access can be had to the closet from either side, and the light enters from both sides, thus lighting up the interior, and rendering it easy for the workman to find the tool he wants.

To close the closet, all that is required is to rotate the inner shell until its openings *c c* are carried behind the imperforate walls of the outer shell, at which time the openings *a a* in the outer shell will be in like manner closed by the walls of the inner shell. When the parts are in this position the closet will be completely and tightly closed.

In the support shown on the right of the machine the outer shell D, which is fixed and stationary, and constitutes the support proper, is a half-cylinder, more or less. The inner revolving shell is of corresponding structure, so that its imperforate wall, when brought to the proper position, will join onto the wall of the outer shell, and complete the inclosure. The inner shell E is provided with shelves *d*, as in the other case.

To open this closet, a half-revolution of the inner shell will expose the shelves fully and completely, as will be understood without further explanation.

I would here remark that I have described the apparatus as provided with an inner revolving shell; but this arrangement can be reversed—that is to say, the inner shell may

be fixed, and may constitute the support proper, in which case the outer shell would of course be arranged to revolve.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

A combined machine-support and tool-receptacle consisting of two concentric shells, one of which is capable of rotation on the common axis of the two shells, the said shells

being formed with corresponding openings, and the inner shell provided with shelves, under the arrangement and for operation as set forth.

In testimony whereof I have hereunto signed my name this 1st day of March, A. D. 1875.

WM. H. HOFFMAN.

Witnesses:

JOHN DUFFUS,

ALFRED A. ECKERSON.