No. 824,495. PATENTED JUNE 26, 1906.

F. G. MARBACH.

TOOL BOX.

APPLICATION FILED DEC. 6, 1905.

Fig. 1.

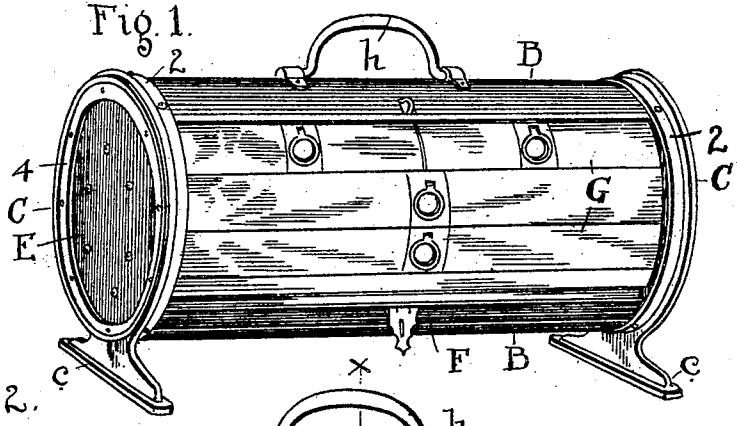


Fig. 2.

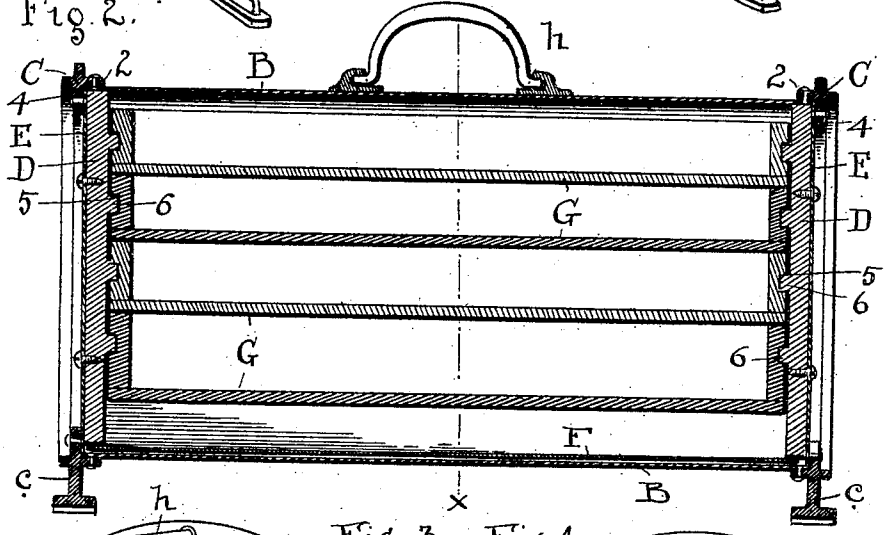


Fig. 3.

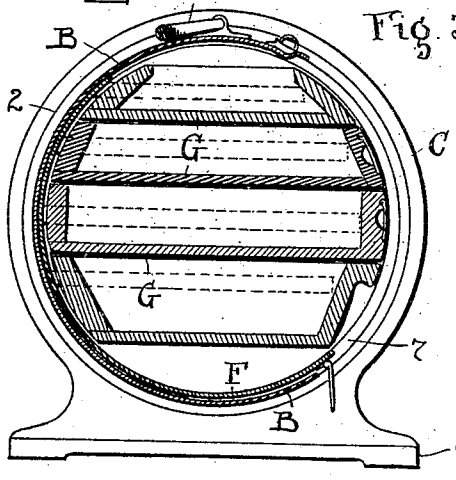
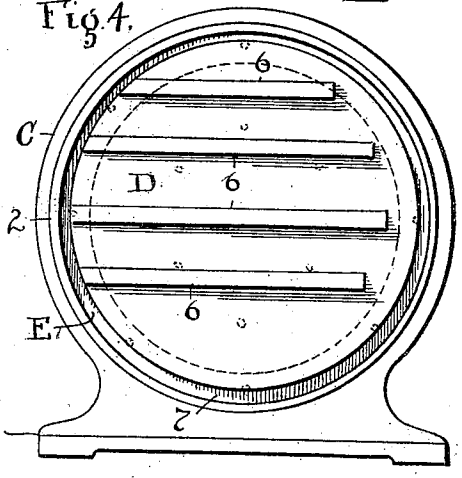


Fig. 4.



ATTEST.

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UNITED STATES PATENT OFFICE.

FRANK G. MARBACH, OF MEDINA, OHIO.

TOOL-BOX.

No. 824,495. Specification of Letters Patent. Patented June 26, 1906.

Application filed December 6, 1905. Serial No. 290,576.

To all whom it may concern:

Be it known that I, FRANK G. MARBACH, a citizen of the United States, residing at Medina, in the county of Medina and State of Ohio, have invented certain new and useful Improvements in Tool-Boxes; and I do declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to tool-boxes; and the invention consists in a tool-box of cylindrical outline convenient to carry in the hand, like a grip or satchel, and which is provided with a series of accessible drawers incased with fireproof covering, all substantially as shown and described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my new and improved tool-box. Fig. 2 is an enlarged longitudinal sectional elevation thereof. Fig. 3 is a cross-section of the box on a line corresponding to *x x*, Fig. 2; and Fig. 4 is an elevation of one end of the box, showing the inside thereof and particularly showing the relation of the head to the inclosing rim supporting the head.

The box thus shown is designed to be used more especially for storing and carrying small tools or instruments—such, for example, as are used by machinists and some of which are of a very delicate character—and comprises several distinct parts consisting of a cylindrical body B, metallic end pieces or rims C, preferably wooden heads D in said rims, end plates E over said heads D, and a door F segmental in cross-section and adapted to slide into opening and closing position, as will presently appear. Each of these several parts has certain necessary peculiarities of construction adapting it to my use in connection with the other parts and whereby I am enabled to produce a box of exceptional lightness, convenience, and utility, as I believe. Thus the cylindrical body is of a comparatively light grade of cold-rolled steel, preferably oxidized and lacquered for both appearance and service, and secured at its ends over the wooden heads D and within the inner flange 2 of metallic rim C, through which nails or screws at intervals serve to fasten said parts rigidly together.

The box is designed to stand down upon its own bottom, and to this end the end rims or rings C are provided with straight base portions *c*, and said rims preferably are cast-steel, brass-plated, though they may be of other metal fashioned substantially as herein shown. However, as an auxiliary feature to both enhance the utility and the appearance of the box I employ the end plates E. These plates likewise are of sheet-steel oxidized and finished to match the body B and are first of all riveted on the inside to outer flange 4 of rims C and fastened by nails or screws to heads D. This makes said plates a part of the rigid and fixed structure of the box and especially affords the requisite means of supporting heads D and body B over that large space at both ends occupied by the substantially semicylindrical door F and which comes between cylinder B and heads D. A peculiarity of construction appears at this point. It will be noticed that the cylinder contains a series of four several drawers G, provided with grooves 5 in their ends running on ribs or cleats 6 on heads D. The opening at the front of the cylinder or body must be wide enough to uncover all said drawers, and this necessitates a cover or door equal in width to substantially half the size of the cylinder. Furthermore, a handle *h* is provided for carrying the box and is attached directly to the top of the body, while the door slides in end grooves or spaces between heads D and flange 2, so far as the end rims C alone are concerned; but as to heads D and said rims the door slides between said parts. This requires that heads D be set eccentrically to or in the said rims, so as to have the larger space beneath and where it is traversed by the sliding door and as indicated particularly by reference 7. Fig. 3 shows the door open and occupying channel 7 with cylinder B upon its outside. Hence plates E or their equivalent are necessary to support heads D, and the meeting edges of cylinder B and door F overlap, so as to shed water and keep the inside of the body dry.

Any suitable means may be employed for locking door F on the body, and the body is preferably cylindrical; but any equivalent form thereof may be used.

What I claim is—

1. A tool-case having a sheet-metal body, cast-metal ends having flanges at right angles to each other on their inside and the said body secured at its ends within the inner of said flanges, sheet-metal end plates secured to the outer of said flanges and wooden heads fixed to the inside thereof in the ends of said body, drawers slidably mounted on said heads

and a door over the front of said drawers, said cast-metal ends having straight bottom rests to support the case.

2. A tool-case consisting of a sheet-metal cylindrical body, and supports of ring shape for said body, heads eccentrically secured in said end supports within the ends of said body, end plates fixed at their edges to said end supports and carrying said heads, said heads spaced from the ends of said body around their bottom, and a rotary sliding door having its ends confined in the space between said heads and said body.

3. As a new article of manufacture, a tool-case comprising a sheet-metal cylindrical body, ring-shaped end supports to which said body is secured and having bottom rests to stand upon, eccentrically-mounted heads in separate pieces rigidly secured within the ends of said body, whereby said heads are spaced from the bottom of said body, and a door substantially semicylindrical in cross-section adapted to slide between said heads and said body at its bottom.

In testimony whereof I sign this specification in the presence of two witnesses.

FRANK G. MARBACH.

Witnesses:

R. B. MOSER,

C. A. SELL.