

(No Model.)

2 Sheets—Sheet 1.

C. O. HESCOX.
TOOL BOX.

No. 434,780.

Patented Aug. 19, 1890.

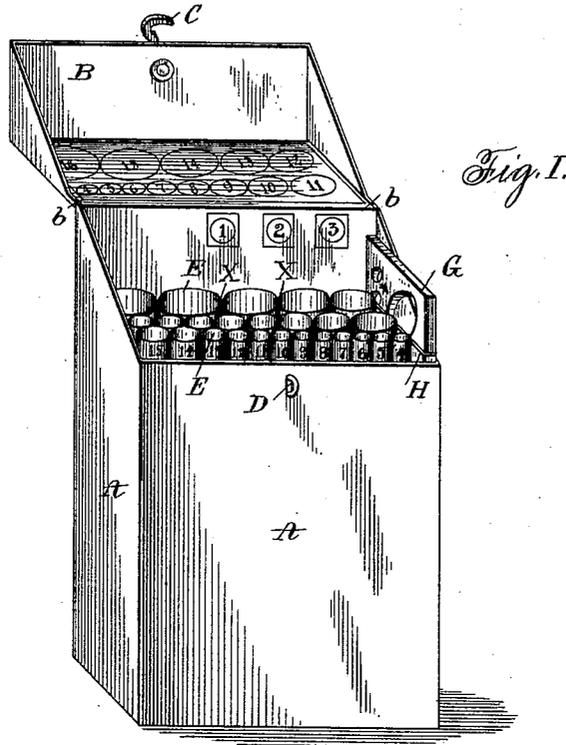


Fig. I.

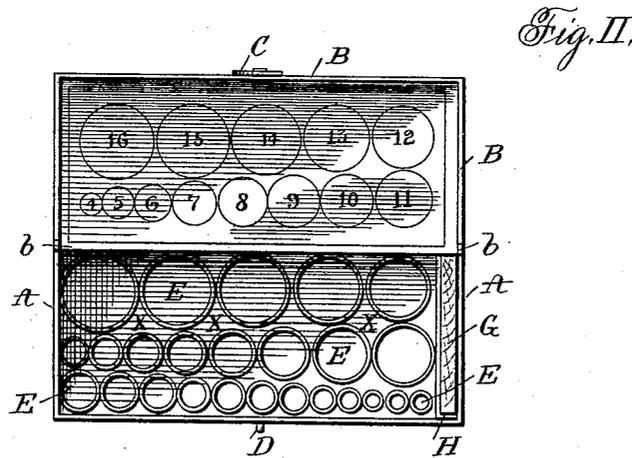


Fig. II.

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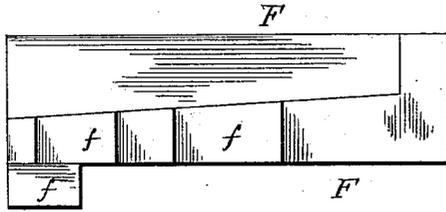


Fig. III.

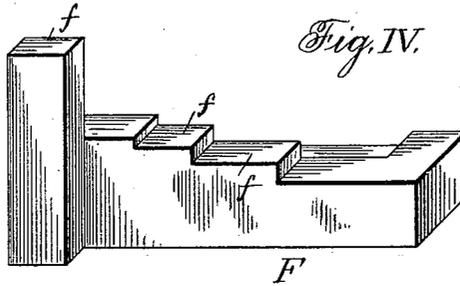


Fig. IV.

Fig. V.

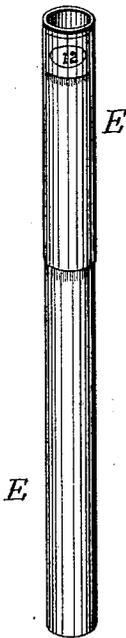
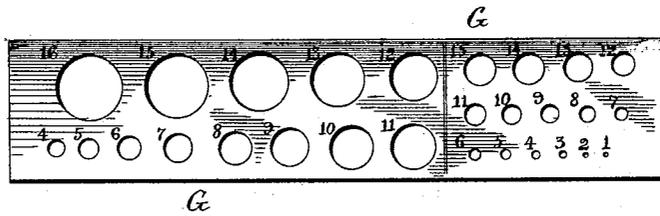


Fig. VI.



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UNITED STATES PATENT OFFICE.

CHARLES O. HESCOX, OF TACOMA, WASHINGTON.

TOOL-BOX.

SPECIFICATION forming part of Letters Patent No. 434,780, dated August 19, 1890.

Application filed March 21, 1890. Serial No. 344,774. (No model.)

To all whom it may concern:

Be it known that I, CHARLES O. HESCOX, a citizen of the United States, and a resident of Tacoma, Pierce county, Washington, have invented certain new and useful Improvements in Tool-Boxes; and I do hereby declare that the following specification, taken in connection with the accompanying drawings, which form a part thereof, is a full, clear, and exact description of my improvements, such as will enable those skilled in the art to make and use the same.

My invention relates to improvements in that class of boxes adapted to hold a series or set of tools, such as auger-bits, drills, and the like; and has for its object to provide a light and durable box which will accommodate the greatest number of tools in the least possible amount of space.

To these ends my invention consists of a box formed of paper-board or other suitable material, in which is arranged a collection of paper tubes of different sizes graduated to suit the different-sized tools.

In order that my invention may be fully understood, I will first describe the same with reference to the accompanying drawings, and then more particularly point out in the claims the novel features.

In said drawings, Figure I is a front perspective view of my improved box, having the top open and showing the arrangement of tubes. Fig. II is a top plan view of the same. Fig. III is a plan view of the false bottom, and Fig. IV is a perspective view of the same. Fig. V shows one of the paper tubes removed. Fig. VI is a plan view of the gage.

Like letters of reference indicate the same parts throughout the several views.

A represents the box, provided with a cover B, hinged in any suitable manner, as at *b*, and provided with a hook C, adapted to engage in an eye D. I prefer to construct the cover B of my improved box as shown in the drawings, having its sides cut from back to front at an angle of forty-five degrees, the sides of the box being cut to match.

Inside of the box A are a number of paper-board tubes E of different sizes and lengths to suit the different-sized tools. I have represented compartments for a set of thirteen

auger-bits, fifteen drill-bits, and various other like tools, which are arranged as indicated by the diagrams and numbers, which numbers correspond to the size of the tool and also to the numbers on the gage, presently to be described. The sizes of the auger-bits are indicated by a diagram on the cover, said diagram consisting of a series of thirteen graduated circles, numbered from 4 to 16. The drill-bits are also represented by a series of circles numbered from 1 to 15. All but three of these numbers are placed on the front row of tubes, which are adapted to contain the drill-bits, these three being placed on the back of the box over the compartments which they represent, between the auger-bit tubes and the back of the box. I arrange the tubes E in order of their sizes, as clearly shown in the drawings, so as to form other graduated pockets X X X, &c., in which various small tools can be conveniently carried. The tubes are made of different lengths and rest on a false bottom F, which is of irregular shape, having various uneven parts *f*, (some higher than others,) to support the tubes of uneven lengths with their upper ends on the same level.

G is a gage consisting of a thin piece of hard wood, having bored through it two sets of perforations graduated and numbered to correspond with the auger-bits and drill-bits. From this gage the mechanic can determine the number of bit required to make a hole of the desired size. This gage is adapted to rest in a pocket H, formed at one side of the tool-box, so as to always be in readiness for use.

In constructing my improved box the tubes E are made separately and fastened in place by gluing their adjacent contacting sides to each other and the inner sides of the box. It is obvious that the size of the box and tubes and number of tubes can be varied at will without departing from the spirit of my invention.

I claim as advantages of my box over those now known to the public, lightness and economy of space with large capacity for tools.

Having thus fully described the nature of my invention and the manner of carrying the same into effect, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In a tool-holding box, the combination of the box A, the graduated tubes E, and the pocket H with the false bottom F of irregular shape, adapted to support the tops of the tubes and pockets on the same level, as herein set forth.
2. A tool-holding box provided with a series of tubes graduated in diameter and length and arranged in order of their size and a false bottom of irregular shape supporting said tubes, whereby a series of tool-holding pockets X are formed, which are also graduated in diameter and length, substantially as herein set forth.

CHARLES O. HESCOX.

Witnesses:

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