

P. DIEHL.
COMPARTMENT BOX.

(Application filed Feb. 12, 1902.)

(No Model.)

Fig. 1.

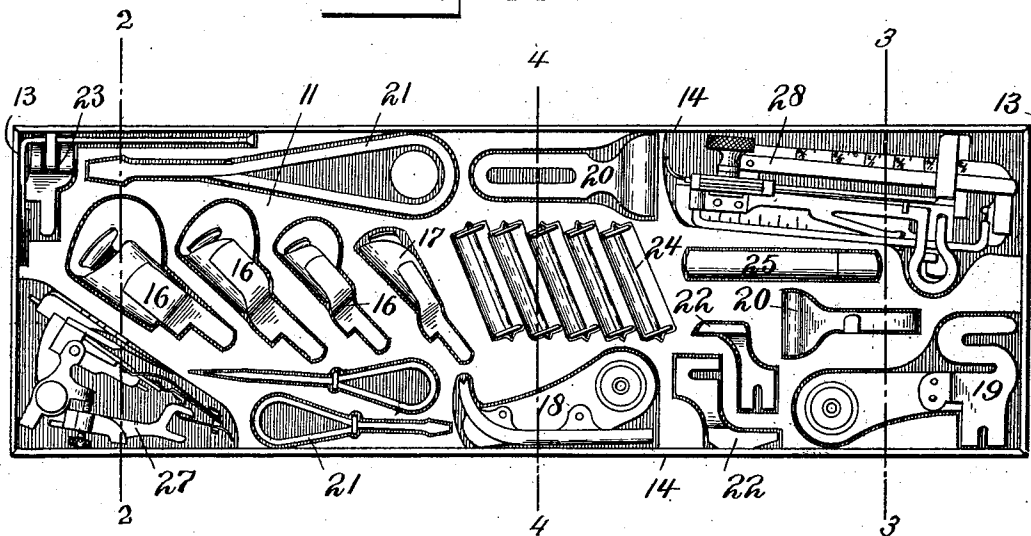


Fig. 2.

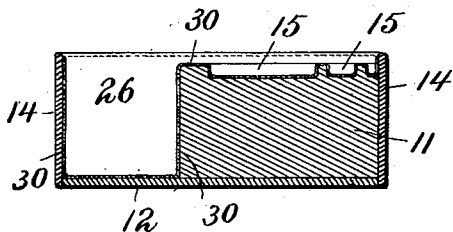


Fig. 3.

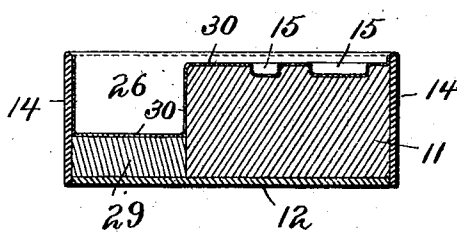
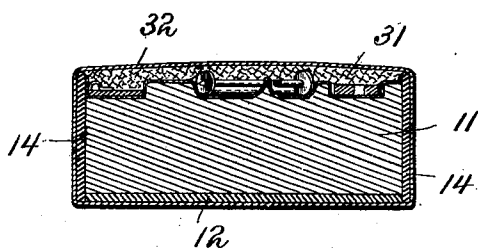


Fig. 4.



WITNESSES:

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by [Signature] atty.

UNITED STATES PATENT OFFICE.

PHILIP DIEHL, OF ELIZABETH, NEW JERSEY, ASSIGNOR TO THE SINGER MANUFACTURING COMPANY, A CORPORATION OF NEW JERSEY.

COMPARTMENT-BOX.

SPECIFICATION forming part of Letters Patent No. 716,003, dated December 16, 1902.

Application filed February 12, 1902. Serial No. 93,752. (No model.)

To all whom it may concern:

Be it known that I, PHILIP DIEHL, a citizen of the United States, residing at Elizabeth, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Compartment-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has for its object to provide a compartment box or receptacle more especially designed for sewing-machine attachments, but suitable also for other purposes, which may be very cheaply constructed, which will be convenient in use, and which will present a neat and attractive appearance. To this end I provide a box proper consisting of a bottom and inclosing ends and sides, and preferably of wood, and I form the compartments of said box through the instrumental-ity of a block of compressible material, preferably of wood, and of suitable shape and size to fit said box proper. In one face of this block I form comparatively shallow compartments or recesses by subjecting the said block to pressure under a die having relief or projecting portions of the shape and size of the shallow compartments or indentations to be formed, and I form the relatively deep compartments by cutting away parts of the edges of said block, so that the side walls of said cut-away parts, in conjunction with the inner walls of parts of the sides and ends of the box proper, form the relatively deep compartments. The exposed inner surfaces of the compartment-box after the block referred to has been fitted into the box proper will be finished in any suitable manner, but preferably by a fibrous flock attached by any suitable adhesive substance applied in liquid form to give the appearance of a felt or cloth lining.

In the accompanying drawings, Figure 1 is a plan view of a compartment-box constructed in accordance with my invention for a sewing-machine-attachment box and filled with a set of sewing-machine attachments. Figs. 2 and 3 are cross-sections of the same on lines 2 2 and 3 3, respectively, of Fig. 1, with the attachments omitted and illustrating the relatively shallow and deep compart-

ments. Fig. 4 is a cross-section on line 4 4, Fig. 1, with a packing-pad and a cover or wrapper added.

The box proper, which will be of any suitable size and shape and which will preferably be of wood, comprises a bottom 12, ends 13, and sides 14. Fitting within the box proper and preferably permanently secured therein by glue or otherwise is a block 11, preferably of soft wood, in the upper face of which are formed relatively shallow compartments or recesses 15 for the reception of small or thin articles or attachments, such as hemmers 16, binders 17, braiders 18, shirring-blades 19, guides 20, screw-drivers 21, presser-feet 22, quilters 23, bobbins 24, needle-cases 25, &c. These relatively shallow compartments are preferably formed by subjecting the block 11 to compression under a die having relief or raised parts corresponding to the indentations to be formed in the said block. To provide relatively deep compartments, as 26, for the reception of larger articles or attachments—such as rufflers 27, tuck-markers 28, &c.—portions of the edges of the block 11 are cut away or removed.

Instead of forming the compartment-block 11 of wood and in the manner just described it may, if desired, be molded from any suitable plastic material; but a wooden compartment-block formed as set forth is preferred on the ground of cheapness, and being of soft wood is comparatively light. Should it be desired to make relatively deep compartments, but which do not extend to the bottom of the box, a suitable filling material 29, as a piece of wood of suitable size, thickness, and shape, may be inserted and secured in the bottom of such medium-deep compartments.

When the compartment-block 11 has been fitted in the box proper, the exposed surfaces of the said block and of the compartments 15 and 26 are finished in any suitable manner, but preferably by first covering such surfaces with a suitable liquid adhesive material, (preferably a thin varnish,) and then when such adhesive material is partly dry applying a fibrous flock thereto. When the adhesive material is fully dry, the loose or unattached flock is brushed off, leaving a

flock-covered surface or coating 30, which presents the appearance of felt or cloth and gives the effect of a felt or cloth lining.

The compartments 15 and 26 are preferably of a depth somewhat less than the thickness of the articles to be received therein, and the upper edges of the sides and ends of the box proper are preferably extended slightly above the undepressed upper surface of the block 11, leaving a suitable space for the reception of a packing-pad 31, of soft material, (as a sheet of cotton-batting inclosed in paper or otherwise,) to hold the attachments or articles properly in their compartments when the compartment-box is inclosed in any suitable cover or wrapper, as 32.

It is obvious that my improved attachment box or receptacle may be used as a tray to set into the drawer of a sewing-machine table or may be properly fitted into the sewing-machine table or stand as a drawer without departing from the essence of the invention.

Having thus described my invention, I

claim and desire to secure by Letters Patent—

A compartment-box, having relatively shallow and deep compartments of different shapes and sizes, and consisting of a box proper comprising a bottom and inclosing sides and ends, and a block in the said box proper and having, in its upper face, a plurality of recesses of different shapes, forming the relatively shallow compartments, and said block having an irregular edge contour differing in shape from the space inclosed by the said sides and ends of the box proper, certain edge portions of said block and certain parts of the inner walls of said sides and ends thus forming, together, the relatively deep, irregularly-shaped compartments.

In testimony whereof I affix my signature in presence of two witnesses.

PHILIP DIEHL.

Witnesses:

HENRY J. MILLER,

HENRY A. KORNEMANN.