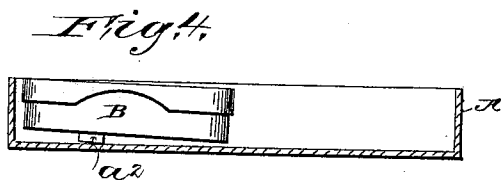
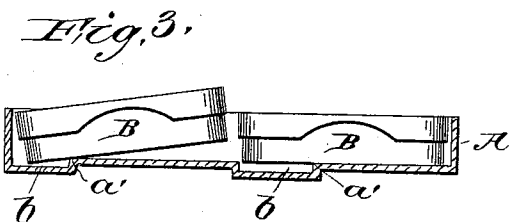
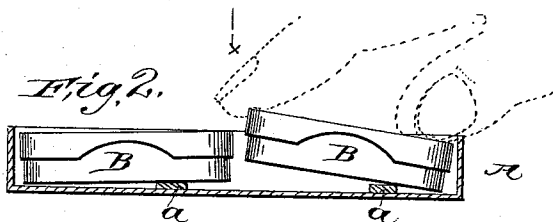
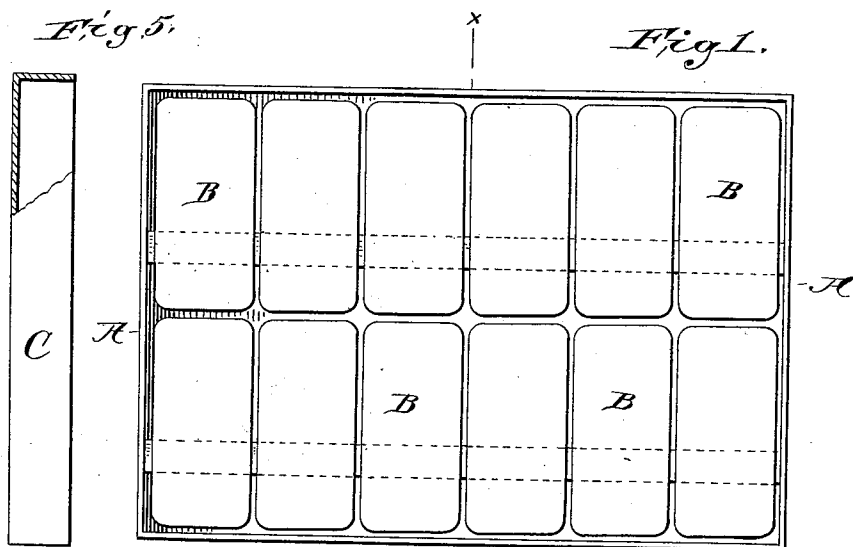


(No Model.)

J. CROCKER.
PACKING OR HOLDING CASE.

No. 521,102.

Patented June 5, 1894.



Attest:
Ch. Benjamin,
Wm. E. Grefer.

Inventor,
John Crocker,
by *Wm. H. Abbe*
Attorney

UNITED STATES PATENT OFFICE.

JOHN CROCKER, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
FREDERICK LEACH, OF SAME PLACE.

PACKING OR HOLDING CASE.

SPECIFICATION forming part of Letters Patent No. 521,102, dated June 5, 1894.

Application filed March 22, 1894. Serial No. 504,578. (No model.)

To all whom it may concern:

Be it known that I, JOHN CROCKER, a citizen of the United States, and a resident of New York, county of New York, and State of New York, have invented certain new and useful Improvements in Packing or Holding Cases, of which the following is a specification.

My invention relates to that class of packing and holding cases in which an exterior holding box or case receives and holds a series of independently removable boxes or receptacles that are adapted to contain parts of watches, or other small articles, the object of the invention being to provide a packing and holding case of this character which, while capable of receiving and holding a number of boxes or receptacles in a convenient and efficient manner, shall at the same time permit of the easy and ready removal of any one or more of such boxes or receptacles therefrom without disturbing any of the others, and without necessitating the use of tweezers or other assisting appliances in making such removal.

To the ends thus specified, the invention consists in the combination with an exterior packing and holding case, of a number of boxes or receptacles arranged therein, and in the fulcra or support arranged in connection therewith, over and upon which the several boxes or receptacles or any one of them may be tilted as their or its removal are or is required, all as will hereinafter more fully appear.

Referring to the accompanying one sheet of drawings, which form a part of this specification, Figure 1 is a plan view of a packing and holding case constructed in accordance with my invention, showing a series of boxes arranged therein; Fig. 2 a vertical transverse section of such case taken in the plane x in Fig. 1, illustrating the manner of removing one of the contained boxes therefrom; Figs. 3 and 4, similar vertical transverse sections, respectively of packing and holding cases of slightly modified constructions, and Fig. 5 an edge view of the cover.

In all the figures, like letters of reference are employed to designate corresponding parts.

A indicates a packing and holding case which may be made of any appropriate mate-

rial, and B a series of boxes or other receptacles arranged therein. In the construction of the case A, any of the ordinary and well known forms of packing and holding cases may be adopted, it only being essential that, whatever its form, it be made of a size to receive the required number of boxes or other receptacles that are to be contained therein and permit of the easy and ready removal of any one or more of them without disturbing any of the others; while its depth will preferably, though not necessarily, be substantially that of the boxes or other receptacles that are to be stored in it.

In some instances it may be found convenient to so proportion the case that but a single row of boxes or receptacles B may be stored in it. I prefer however, when the conditions of use will admit, to construct it of the proper dimensions to allow of its receiving and accommodating a plurality of such rows as a more compact case is thereby produced.

Disposed beneath the boxes or other receptacles B, near one of their ends, are the fulcra or support over and upon which such boxes or receptacles may be tilted when it is desired to remove them from the case. In the construction of these fulcra various forms may be adopted. In Figs. 1 and 2, I have shown them as made in the form of a bar or raised projection a , which, located beneath the boxes B in proper relation to the ends thereof, may be made integral with the bottom of the case A or separate therefrom as desired, the same being preferably constructed continuous throughout its length or made up from a number of short sections, as the character of the boxes or other receptacles and their uses may demand. In Fig. 3, I have illustrated these fulcra as formed by depressing grooves b in the bottom of the case A at the proper positions with respect to the ends of the boxes of the different rows, the corners formed by the intersection of the walls of the grooves with the bottom of the case constituting the desired fulcra a' , while in Fig. 4, I have pictured such fulcra as formed by projections a^2 secured to, or embossed down from, the bottom of the boxes or other receptacles as shown.

With the form of construction illustrated in Figs. 1, 2, and 4, the boxes or other receptacles B, resting upon their fulera, are tilted upward slightly at one of their ends from the plane of the bottom of the case, but with the construction shown in Fig. 3 they rest flat upon the bottom of the case so as to bring them and the bottom of the case into parallelism. Any one of these forms of fulera may be employed in construction of a case and its boxes or other receptacles, or two or more of these, may be joined in the same structure. I prefer however to make use of the form shown in Figs. 1 and 2, as not only is greater cheapness of construction attained thereby, but the case when complete presents a smooth even surface on its exterior.

The boxes or other receptacles B being arranged in the case A as shown, the removal of any one or more of such boxes or receptacles is effected, in any of the constructions mentioned, by simply pressing down the end or ends thereof that is or are nearer its or their fulerum or fulera when such box or boxes or other receptacle or receptacles will be tilted over and upon its respective fulcrum or fulera, raising the other end or ends thereof and permitting of the same being engaged by the finger, as shown more clearly in Fig. 2, wherein the positions of the thumb and finger of the person removing the box or other receptacle from the case is illustrated in dotted lines.

As the parts are thus constructed, the case A may be provided with any ordinary or preferred form of cover which may be hinged thereto or made separate therefrom as may be desired. In Fig. 5, however, I have illustrated it at C as constructed as an independent member and provided with vertically depending walls for shutting down over the case with its walls extending down over the

walls of the case in a well known manner, and this is the form I prefer in practice when the case is designed for receiving and holding receptacles that are small in size.

A packing or holding case with its boxes or other receptacles as above described is admirably suited to the packing and holding of parts of watches, twist drills, needles for sewing machines and other small articles, as well as many articles of larger size.

Although in the foregoing I have described the best means contemplated by me for carrying my invention into practice, I wish it distinctly understood that I do not limit myself strictly thereto, but reserve to myself the right to modify the same in various ways without departing from the spirit thereof.

Having now described my invention and illustrated certain of the ways in which it is or may be carried into effect, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with a packing and holding case, and a series of boxes or other receptacles contained therein, of fulera arranged beneath such boxes or other receptacles and upon which they may be tilted when their removal is desired, substantially as described.

2. The combination, with a packing and holding case provided with fulera in its bottom, of a series of boxes or receptacles arranged within such packing and holding case upon the fulera, whereby one of their ends is held tilted slightly from said bottom, as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 16th day of March, 1894.

JOHN CROCKER.

Witnesses:

S. L. TRIPPE,

C. W. BENJAMIN.