Jan. 16, 1951 M. S. COHEN 2,538,670

FUR PIECE BOX

Filed April 13, 1948

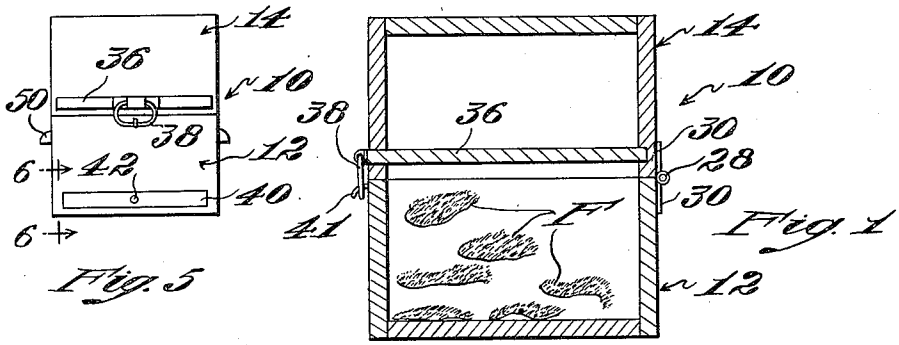


Fig. 5 Fig. 1

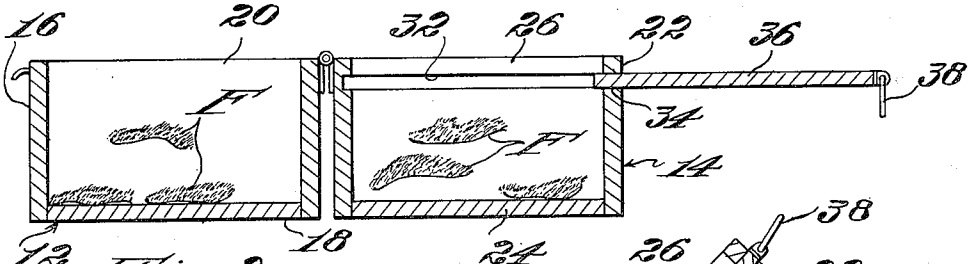


Fig. 2

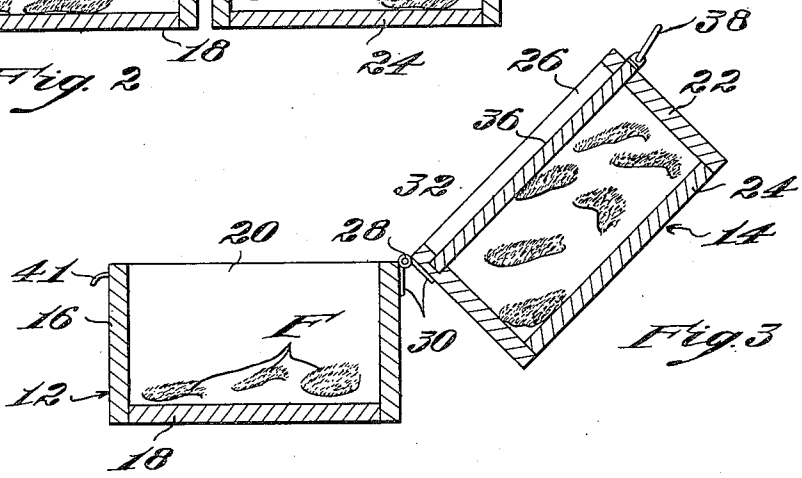


Fig. 3

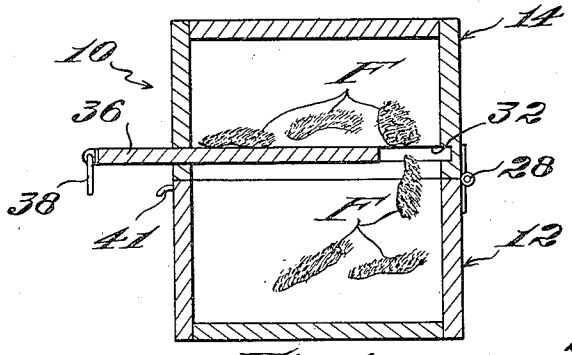


Fig. 4

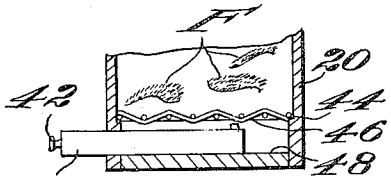


Fig. 6

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FUR PIECE BOX

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5 Claims. (Cl. 217—7)

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This invention relates to sorting devices and more especially to an improved device for sorting pieces of fur used in repairing fur coats.

In the business of repairing fur coats, jackets, neck pieces, etc., it is customary for each artisan to keep on hand a large assortment of various kinds and sizes of fur patch pieces through which he will hunt when a particular repair job is assigned to him to find a matching piece of fur. In sorting through the heap of miscellaneous patch pieces he discards the pieces he does not want by placing them in a separate pile and when he has finally located a suitable piece, this pile of discared patch pieces must be gathered up and replaced in the receptacle from which they have been taken for storage until another job is to be done. This handling and sorting of the fur patch pieces is slow and wastes considerable time, moreover, there is a good chance for the pieces to become soiled and lost. Objects of this invention are, therefore, to provide a device within which the artisan may store his assortment of repair patch pieces, which he may use to assist him in speeding up sorting operations, which will be simple to construct, cheap, and effective in operation. Other objects are to provide a receptacle which will facilitate keeping the fur patch pieces clean and free from debris in the form of small unusable cuttings and trimmings, threads, hair and other dirt, which will facilitate separating this debris from the patch pieces without dumping them out of the device, and wherein there is storage space for the implements, thread, etc., used in the repair work.

Accordingly and as illustrated herein the sorting device is a receptacle in the form of two substantially rectangular box parts each of which has an open side, the parts being assembled together with the open sides juxtaposed and joined together by hinge means so that they may be moved angularly with respect to each other to afford access to one or both parts or to bring them together to form a closed box within which may be stored an assortment of fur patch pieces. One box part has a continuous groove on the inside of three or its walls near its open side, a slot through the fourth wall which is in communication with the groove, and a slide member is situated within the groove with a portion thereof passing through the slot whereby the slide may be moved through the slot to close or open the open side. There may be a partition in the other box part spaced from the bottom providing a chamber between it and the bottom to which access may be had by a slot in one of the walls.

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The partition may be perforated and there may be a drawer movable through the slot into the chamber. A pull ring set into the exposed end of the slide and a tongue fixed to the box are cooperable to latch the box parts together.

The invention will now be described in detail with reference to the accompanying drawings wherein:

Fig. 1 is a vertical section through the sorting device showing its parts in a closed position such as it would occupy when not in use;

Fig. 2 is a vertical section with the parts open and the slide withdrawn ready for a sorting operation;

Fig. 3 is a vertical section showing the slide returned to close the open top of the part in which the discarded fur pieces were placed preparatory to tipping the part back into closed position;

Fig. 4 is a vertical section of the device with the parts closed and with the slide partially withdrawn to allow the discarded pieces of fur to fall back into the bottom part;

Fig. 5 is a front elevation of the device in a closed position showing a drawer in the lower part; and

Fig. 6 is a vertical section on the line 6—6 of the lower part of Fig. 5 showing the drawer partially withdrawn and a perforated partition separating the drawer from the upper portion of that part.

Referring to the drawings, there is shown in Fig. 1 at 10 a sorting device which is in the form of a substantially rectangular box comprised of lower and upper box parts 12 and 14. The lower box part 12 has vertical side walls 16, a bottom 18 and an open top 20. The top box part has side walls 22, a top 24 and an open bottom 26. The lower and upper box parts are assembled together with their open top and bottom juxtaposed (Fig. 1) and are joined for angular movement relative to each other, that is, for tipping of the upper box part upwardly and rearwardly with respect to the lower box part, as shown in Figs. 2 and 3, by a pair of spaced hinges 28, the leaves 30, 30 of which are fastened by screws or bolts (not shown) to the walls 16 and 22 of the respective box parts.

Within the upper box part 14 (Fig. 2) there is formed on the inner surface of the walls 22 in three sides thereof a continuous groove 32. This groove extends preferably along the opposite side walls and the back wall, the back wall being in this case the wall to which the hinges are attached. In the front wall 22 there is formed

a slot 34 which opens into the ends of the groove 32 in the opposite side walls and within this groove there is placed a slide board 36 which is of such dimensions as to pass through the slot 34 and slide freely in the groove 32. The outer, that is the exposed, end of the slide board 36 has a pull ring 38 pivotally attached thereto to permit movement of the slide board in the groove, that is, to facilitate withdrawing the slide board from the slot.

As thus constructed, a miscellaneous assortment of fur patch pieces F such as are used for repairing fur coats, neck pieces, etc., are placed in the lower box part 12 and the upper box part 14 is normally situated as shown in Fig. 1 to close the lower part, thus affording a closed receptacle for storing the fur patch pieces when not being used. In this condition the slide board 36 is pushed inwardly through the slot 34 so that it bridges the lower or open bottom of the upper part 14. Preferably the ring 38 is engaged with a tongue 41 fixed in the forward wall of the lower box part 12 so that the two parts may be held together and the receptacle as a whole may be moved about without falling open and spilling its contents. When it is desirable to select a particular piece of fur for a repair job, the ring 38 is disengaged from the tongue 41 and the upper box part 14 is thrown back to an open position by tipping it about the hinges 28 so that it occupies the position shown in Fig. 2. The slide board 36 is then withdrawn so as to uncover the open bottom 26 of the upper box part and the artisan discards piece after piece of fur from the pile of fur situated in the lower box part by tossing them into the upper box part 14 until he finds a suitable matching piece. Having removed the selected piece, he pushes the slide board 36 into the slot 32 so as to close the bottom of the upper box part 14 and then he lifts the upper box part and swings it back into engagement with the open top of the bottom box part, as shown in Fig. 4. He then withdraws the slide board 36 to uncover the bottom opening 26 thereby allowing the fur pieces deposited in the top part to fall by gravity into the bottom part. The slide board 36 is then returned to its original position, as shown in Fig. 1, and the sorting device is then ready to be set aside until another job is to be undertaken.

It may be desirable to provide the lower box part 12 of the aforesaid sorting device with a drawer 40 having a pull 42 thereon as shown in Figs. 5 and 6. This drawer may be for the purpose of storing needles and thread such as are employed in attaching the patches and other general repair work. In such a case the lower box part 12 may have a partition 46 (Fig. 6) placed therein by forming a ledge 44 peripherally of the walls 16 in the lower part upon which the partition 46 is seated so as to provide a subjacent chamber 48 which is separate from the major portion of the lower part to accommodate the drawer 40. While this drawer may be used as heretofore indicated for implements, it is also within the scope of the invention to use this drawer for collecting and removing debris such as small clippings of fur, hair, thread and other dirt so that it is not necessary to dump all of the fur pieces from the sorter in order to remove an accumulation of such debris. If the drawer is used for this purpose, the partition 46 is in the form of a screen or a reticulated member as indicated in Fig. 6 so that such material would fall through into the open top of the drawer and can then be easily removed by pulling the drawer out and dumping it.

It should be understood that the present disclosure is for the purpose of illustration only and that this invention includes all modifications and equivalents which fall within the scope of the appended claims.

I claim:

1. A sorting device comprising a two-part receptacle each part having an open side, hinge means joining said parts with their open sides juxtaposed so that one part may be moved angularly with respect to the other part, a partition associated with one part affording a closure for the open side thereof when the parts are angularly disposed, and a dividing wall between the parts when they are juxtaposed, said partition being capable of being withdrawn from a position closing the open side of the one part and of being restored to closing position both when the parts are closed and when they are open, and a combined latch member and pull carried by the partition, said latch member in one position being engageable with an element on the other part for securing the parts together and simultaneously preventing movement of said partition and in another position releasing the partition for movement and affording means for moving it into and out of closing position.

2. A sorting device comprising a two-part receptacle each part having an open side, hinge means joining said parts with their open sides juxtaposed so that one part may be moved angularly with respect to the other part, a slide member associated with one part affording a closure for the open side thereof when the parts are angularly disposed, and a dividing wall between the parts when they are juxtaposed, said member being capable of being withdrawn from a position closing the open side of the one part and of being restored to closing position independently of the position of the parts, and latch means in the form of a ring pivotally attached to the one end of the slide member and a tongue fixed to a wall of the other part, said ring being engageable with the tongue to hold the parts together.

3. A sorting device comprising a two-part receptacle each part having an open side, hinge means joining said parts with their open sides juxtaposed so that one part may be moved angularly with respect to the other part, a slide member associated with one part affording a closure for the open side thereof when the parts are angularly disposed, and a dividing wall between the parts when they are juxtaposed, said member being capable of being withdrawn from a position closing the open side of the one part and of being restored to closed position independently of the position of the parts, and latch means in the form of a ring pivotally attached to one end of the slide and a tongue fixed to a wall of the other part, said ring being engageable and disengageable with the tongue by movement of the slide member.

4. A sorting device comprising a two-part box, each part having an open side, said parts being assembled together with their open sides juxtaposed, hinge means joining the box parts for angular movement relative to each other, a slide member associated with one part affording a closure for that part when the parts are open and a dividing wall between the parts when the parts are juxtaposed, said member being capable of being moved into and out of closed position irrespective of the position of the parts, and a perfo-

rate partition in the other part spaced from the bottom thereof, one wall of said other part having an aperture therein opening into the space between the partition and the bottom.

5. A sorting device comprising a two-part box each part having an open side, said parts being assembled together with their open sides juxtaposed, hinge means joining the box parts for angular movement relative to each other, a member associated with one part affording a closure for that part when the parts are open, and a dividing wall between the parts when the parts are juxtaposed, said member being capable of being withdrawn from the closed position, a partition in the other part spaced from the bottom thereof, one of the walls of said other part having a slot therein opening into the space below the partition, and a drawer situated in the subjacent space and movable into and out thereof through the slot.

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