April 20, 1948. T. B. OWENS 2,440,207

HOLDER FOR KNIVES, FORKS, SPOONS, AND THE LIKE

Filed Nov. 1, 1945 2 Sheets-Sheet 1

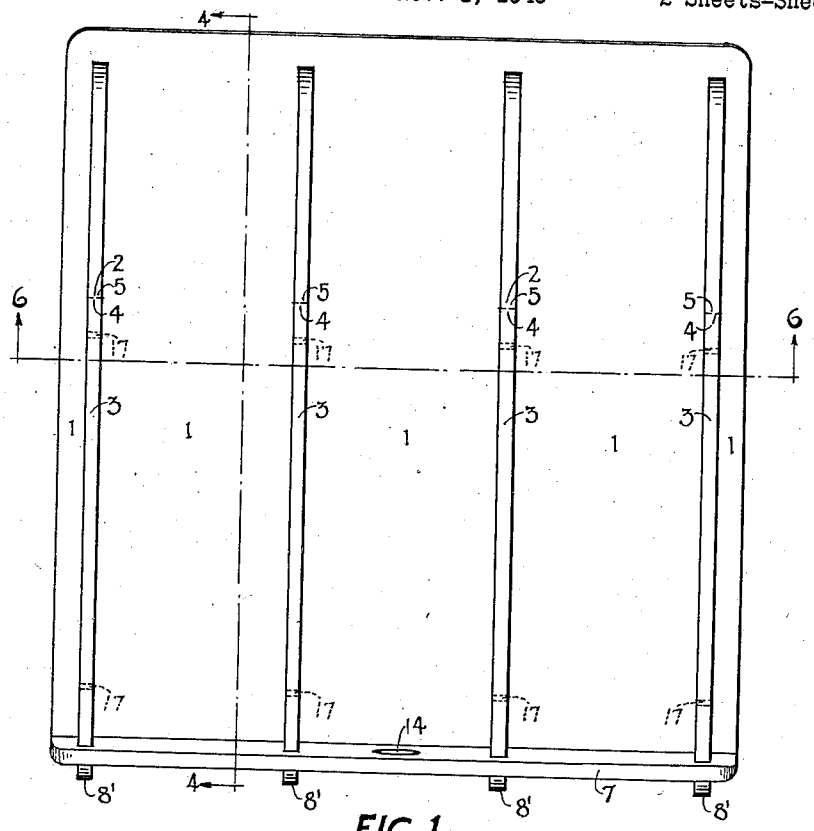


FIG. 1

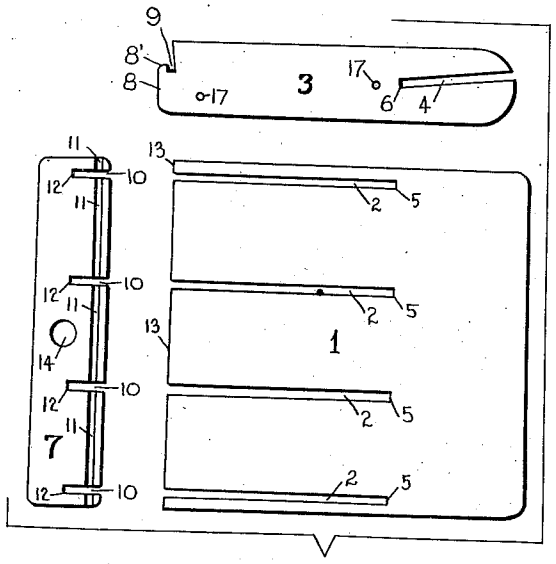


FIG. 2

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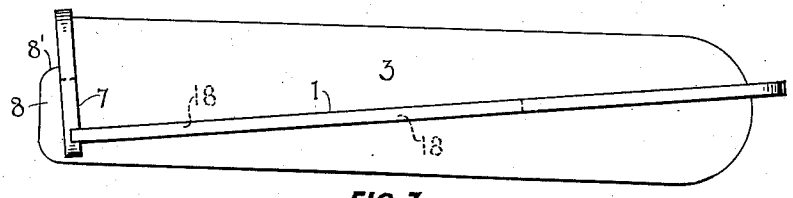


FIG. 3

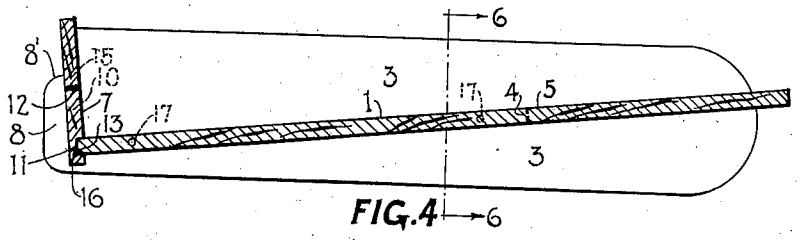


FIG. 4

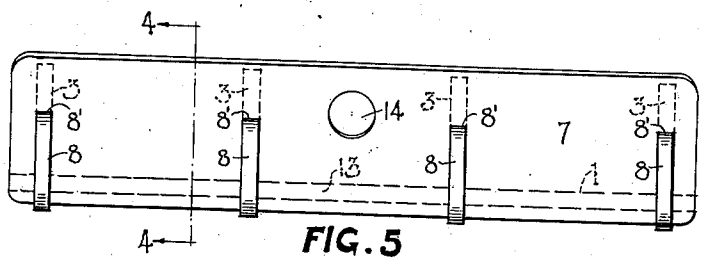


FIG. 5

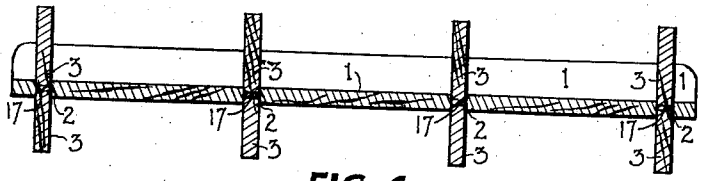


FIG. 6

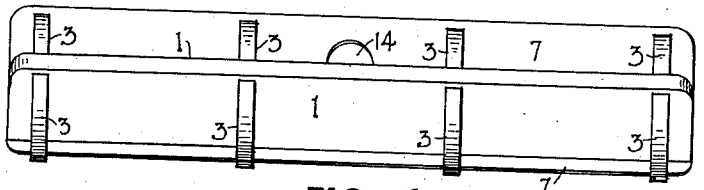


FIG. 7

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HOLDER FOR KNIVES, FORKS, SPOONS, AND THE LIKE

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Application November 1, 1945, Serial No. 626,083

6 Claims. (Cl. 206—72)

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The invention relates to holders for knives, forks, spoons, and the like, and particularly to improvements in articles of this character which are built-up structures easily assembled from a few plane members. More particularly, the improvements relate to an article of the character mentioned in which a few cheaply fabricated parts are easily assembled into a rigid structure without the necessity for the use of usual fastenings, such as nails and screws.

The annexed drawings and the following description present in detail certain means illustrating the improvements in holders for knives, forks, spoons, and the like, such disclosed means presenting, however, only one of the various forms in which the improvements may be embodied.

In said annexed drawings:

Figure 1 is a top plan of the built-up structure;

Figure 2 is a plan in disassembled condition of the three forms of elements which enter into the complete holder;

Figure 3 is a side elevation of the holder shown in Figure 1;

Figure 4 is a longitudinal section, taken in the plane indicated by the line 4—4, Figures 1 and 5;

Figure 5 is a front elevation;

Figure 6 is a transverse section taken in the place indicated by the line 6—6, Figures 1 and 4, and

Figure 7 is a rear elevation.

Referring to the annexed drawings in which the same elements are indicated by the same respective numbers in the several views, the improved holder, Figure 1, is made from three different kinds of elements shown in Figure 2, viz., a platform or base 1, a plurality of wings and partition pieces 3, and a head or front end piece 7. These several elements are formed with complementary slots, and grooved, and notched or rabbeted portions whereby they can be assembled in interlocked condition to form the complete holder. The elements 1, 3, and 7 are preferably formed of plywood and are plain surfaced members.

Intersecting the front end of the platform 1 is a transverse series of spaced longitudinal slots 2. Intersecting the rear end of each of the partition and wing members 3 is a slot 4. The number of wing and partition pieces 3 utilized is equal to the number of slots 2 formed in the platform 1. The head or front end piece 7, which is of substantially the same length as the width of the platform 1, is intersected at its bottom edge by a plurality of slots 10 which are equal in number to the slots 2 and to the number of partitions and

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wing pieces 3. The front end piece 7 is also formed adjacent its bottom edge with a series of transversely aligned grooves 11 adapted to accommodate the front edge 13 of the platform 1. These grooves 11 extend between respective adjacent slots 10 and the two end grooves 11 extend respectively from the outer slots 10 through the end edges of the headpiece 7. The front ends of the wing and partition pieces 3 have lower forwardly directed extensions 8 having upper outer shoulder parts 8', thus forming notches 9 substantially vertically central of the height of the pieces 3 and exteriorly adjacent the main body portions of these pieces 3.

The platform 1 and the partition and wing members 3 are of substantially the same length and the slots 4 are materially shorter in length than the slots 2. The sum of the lengths of two cooperating slots 2 and 4 is less than the length of the platform 1 or the partition and wing members 3.

The several elements formed as above described are assembled into the built-up holder structure by passing the wing and partition members 3 into the platform 1 by means of the slots 2 and 4 until the inner ends 6 of the slots 4 nearly reach the inner ends 5 of the slots 2, and then the headpiece 7 is mounted on the front ends of the wing and partition members 3 by passing the headpiece 7 down over the wing and partition extensions 8 until the inner walls 12 of the slots 10 rest on the lower walls of the notches 9. The latter operation brings the grooves 11 in alignment with the front edge 13 of the platform 1, this edge 13 of the platform 1 having a sliding fit with the grooves 11. These operations effect a substantial assembly of the different elements and then all that is necessary to lock them securely together is to apply pressure to the front face of the front piece 7 which forces the wing and partition pieces 3 rearwardly into their final and fixed position with the walls 6 of the slots 4 closely in contact with the walls 5 of the slots 2, and at the same time forces the edge 13 of the platform 1 tightly into the grooves 11.

As is clearly apparent in Figures 3 and 4, the platform or bottom member 1 is preferably sloped toward the front when in assembled condition. Such assembly has the advantage of preventing the utensils contained in the several chambers formed between the member 3 from spilling or sliding out of the chambers.

Although a tight and secure assembly of the several elements into a holder requires no fastenings, such as nails or screws, it is preferable that

glue or other suitable adhesive **16**, Figure 4, be applied to the grooves **11**, and that adhesive **15** be applied to the walls of the notches **9** before the head member **7** is assembled. It is also preferable that the wing and partition member **3** be formed with a series of transverse holes **17**, Figure 2, such as would accommodate adhesive **18**, Figure 3, the positioning of these holes **17** being such that when the partitions and wings **3** are in their final locked position the holes **17** and the adhesive **18** therein will be within the confines of the slots **2**, i. e., the holes **17** and the adhesive **18** are adjacent the side walls of the slots **2**.

The improved holder with its contained utensils is designed for storage, when not in use, in any convenient place, such as the drawer of a wall or kitchen cabinet, and to that end is designed for ready and convenient handling as a whole, so that it is formed with a finger hole **14** in the head board **7** which, with a manual gripping of the rear end of the platform **1**, provides for convenient manipulation.

What I claim is:

1. A holder for knives, forks, spoons, and the like comprising a built-up structure having a platform formed with spaced slots intersecting an end thereof, a transverse series of spaced longitudinal members forming partitions and side walls and each having a slot intersecting an end thereof and registering with a platform slot so that the platform and the members are interlocked to form a plurality of chambers with the ends of the members opposite their slotted ends extending outwardly of the slotted end of the platform, the extending member portions being notched, and a transverse end board having a transverse series of spaced slots accommodating the extended member ends and a series of transversely aligned grooves accommodating the slotted end of the platform, the wall portions of the end board slots being interlocked with the notches of the extended member portions.

2. A holder for knives, forks, spoons, and the like, characterized as in claim 1, in which the axes of the platform slots and the axes of the slots of the transverse series of members are relatively angular to effect the sloping of the platform toward the end board.

3. A holder for knives, forks, spoons, and the like characterized as in claim 1, in which there is adhesive in the notches of the extended portions of the transverse series of members and in the transversely aligned grooves of the end board.

4. A holder for knives, forks, spoons, and the like, characterized as in claim 1, in which there is adhesive in the notches of the extended portions of the transverse series of member and in the transversely aligned grooves of the end board, and in which the transverse series of members are formed with holes in the areas thereof which contact the platform in interlocked condition, which holes are filled with adhesive.

5. A holder for knives, forks, spoons, and the like comprising a built-up structure having a platform formed with spaced slots intersecting an end thereof, a transverse series of spaced longitudinal members forming partitions and side walls and each having a slot intersecting an end thereof and registering with a platform slot so that the platform and the members are interlocked to form a plurality of chambers, the platform and the members being of substantially the same length, the slots of the members being shorter than the platform slots, and the sum of the lengths of two cooperating slots being less than the length of the platform or the members, whereby in interlocked condition the ends of the members opposite their slotted ends extend outwardly of the slotted end of the platform, and a transverse end board having a transverse series of spaced slots accommodating the extended member ends and a series of transversely aligned grooves accommodating the slotted ends of the platform, and means for interlocking the extended member portions with the end board.

6. A holder for knives, forks, spoons, and the like comprising a built-up structure having a platform formed with spaced slots intersecting an end thereof, a transverse series of spaced longitudinal members forming partitions and side walls and each having a slot intersecting an end thereof and registering with a platform slot so that the platform and the members are interlocked to form a plurality of chambers with the ends of the members opposite their slotted ends extending outwardly of the slotted end of the platform, and a transverse end board having a transverse series of spaced slots accommodating the extended member ends and a series of transversely aligned grooves accommodating the slotted end of the platform, the extended member portions and the end board being formed with interlocking means.

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