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Isaacs

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[54] **HOLDER FOR WINDING OF RIBBON-LIKE MATERIAL**

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[52] **U.S. Cl.** **206/49**, 206/805

[51] **Int. Cl.** **B65h 75/06**, B65d 85/67

[58] **Field of Search** ..... 206/49, 50, 51, 64, 805, 206/80 R, 46 AP, 55

[56] **References Cited**

UNITED STATES PATENTS

1,232,955	7/1917	Moody	206/49
1,826,596	10/1931	Bernson	206/805
2,016,181	10/1935	Sharp	206/64
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Primary Examiner—William T. Dixson, Jr.

[57] **ABSTRACT**

A holder includes a board with cutout portions on opposite ends thereof for receiving a winding of lace, braid, or ribbon-like material. The board has a tab or projection formed in an enclosed opening on one side of the board and a plurality of tabs, some in recesses, formed on the other side of the board for holding an endless elastic band across either face of the board to retain the loose end of the lace. The tab formed in the opening includes oppositely extending hook like portions which extend around the endless elastic band to restrict the removal of the elastic band from the board.

10 Claims, 3 Drawing Figures

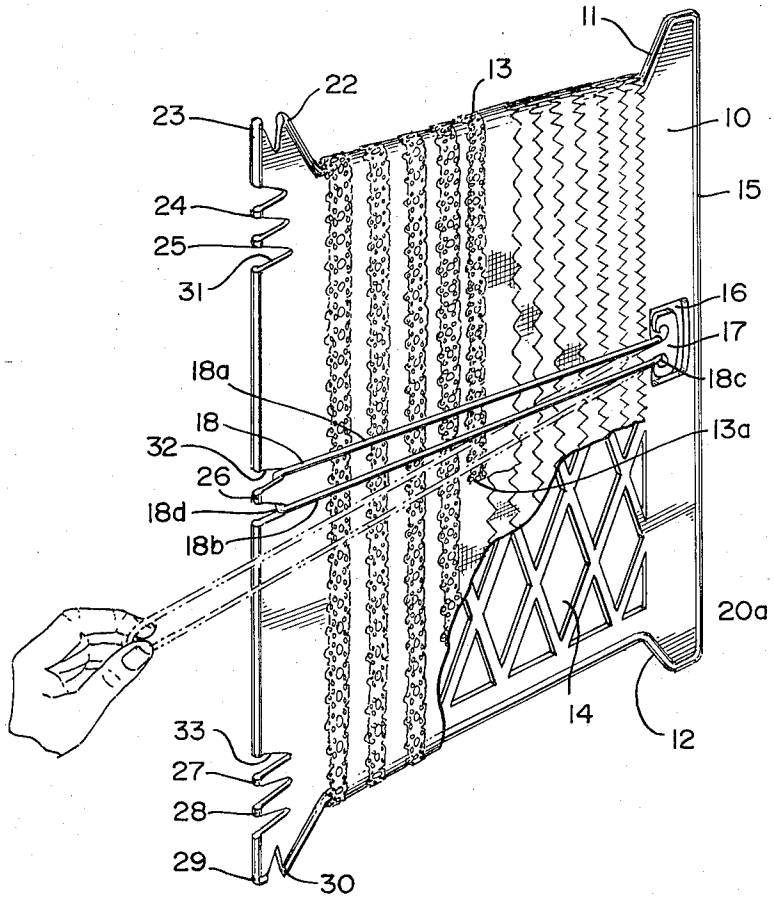


FIG. 1

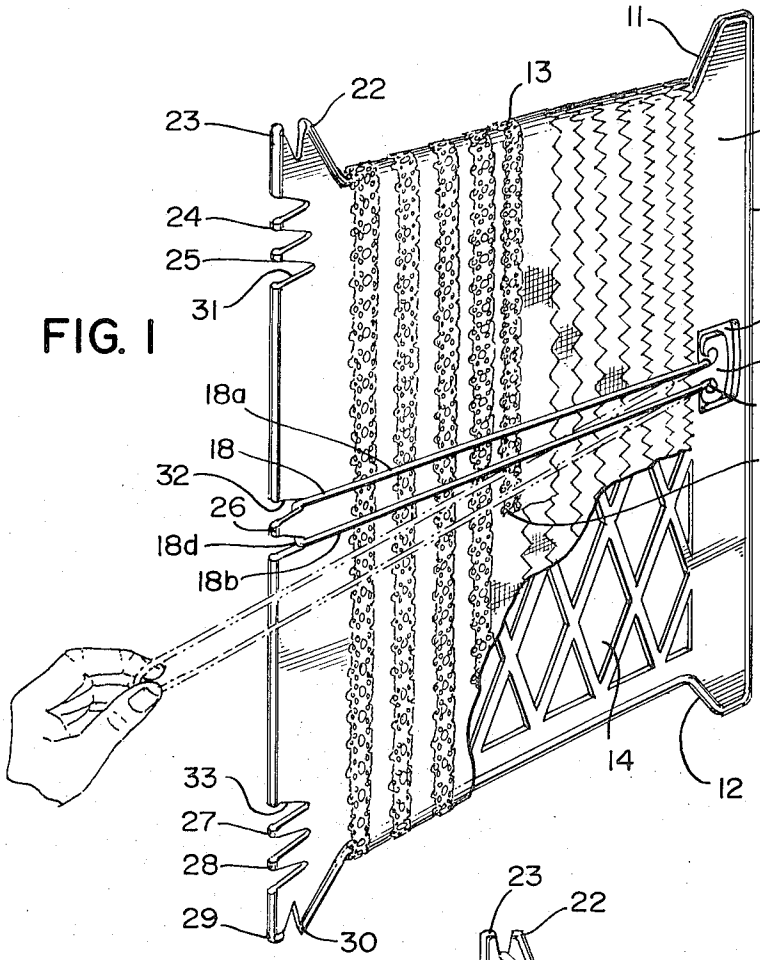


FIG. 2

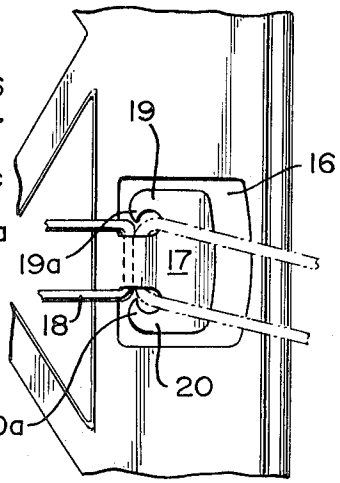
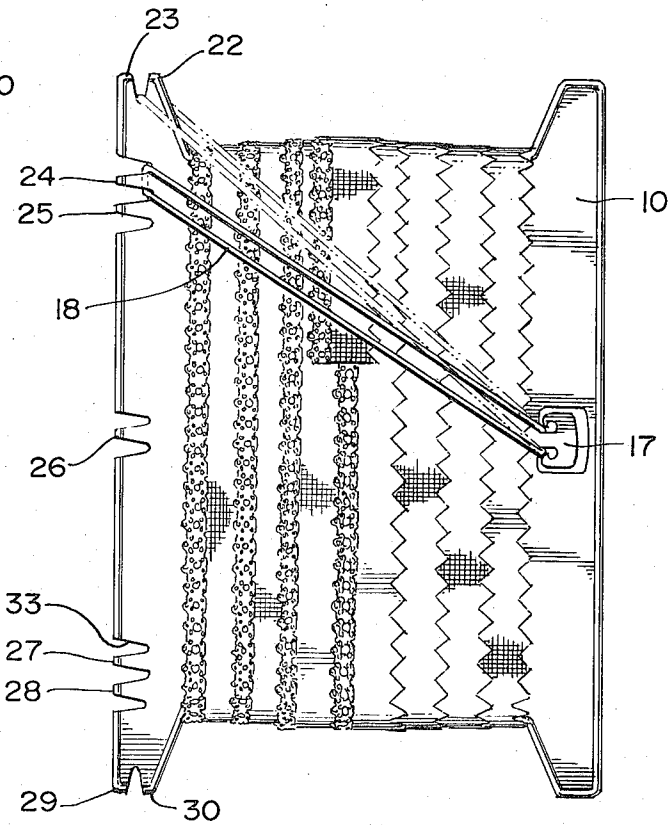


FIG. 3



HOLDER FOR WINDING OF RIBBON-LIKE MATERIAL

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates to holders utilizing boards upon which indeterminate lengths of lace, braids, and other ribbon-like materials may be wound. Desired lengths of lace may be unwound and cut from the boards. The invention is particularly concerned with holders utilizing elastic bands to hold the free ends of lace wound on the boards.

2. Description of the Prior Art

A number of holders for lace and other ribbon-like materials have been used and are described in the prior art. Examples of prior art holders or similar devices are shown in U.S. Pat. Nos. 211,172; 226,984; 1,232,955 and 2,201,921 and U.S. Pat No. 174,203. some of the prior art holders use a notch or a spring clip on a board for receiving and retaining the loose end of the lace. The notches and spring clips tend to rumple the lace as well as leaving suubstantial lengths of unrestrained lace extending beyond the notches or clips; the substantial lengths of unrestrained lace are subject to rumpling, tangling and getting caught in drawers. Other prior art holders utilize elastic bands circumscribing a board for retaining the free ends of the lace; such elastic bands must be removed by pulling or slipping over one of the ends of the board resulting in engagement and rumpling of the lace by either a hand or the elastic band. Further, elastic bands are easily misplaced or lost. The above-mentioned U.S. Pat. No. 1,232,955 shows an elastic band passing through a hole formed in one side of the board which prevents it from being misplaced; however, such a band could not be readily assembled or replaced when broken. Further, notches, spring clips and circumscribed elastic bands are sometimes deficient in that they do not firmly retain the free end of the lace. This results in tangling and rumpling of the lace.

SUMMARY OF THE INVENTION

In accordance with the invention, a holder has a board with opposite ends and opposite faces for supporting a winding of ribbon-like material and an elastic band with two looped ends extending around respective first and second tabs formed on opposite sides of the board. the elastic band extends across only one of the opposite faces of the board to retain a free end of the ribbon-like material.

Another feature of the invention is the provision of outward extending tabs in substantially the same plane as the board with one tab being formed in an opening on one side of the board and another tab being formed in a recess on the other side of the board. Additionally, one of the tabs has facilities, such as hook-like portions with inwardly extending ends formed thereon, for restricting the removal of the elastic band. Further, a plurality of tabs are formed in spaced locations along one side of the board so that a looped end of the elastic band may be selectively placed over one of the plurality of tabs to hold the free end of the ribbon-like material without leaving any substantial length of dangling material.

Other features and advantages of the present invention will become apparent from the following description of the preferred embodiment taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a perspective view of a holder made in accordance with the invention.

FIG. **2** is a detailed view of a portion of the holder in FIG. **1** illustrating a tab with hook-like portions formed thereon for restricting the removal of an elastic band therefrom.

FIG. **3** is a plan view of the holder of FIG. **1** illustrating several alternate positions of the elastic band over selected tabs formed on one side of the board.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring first to FIG. **1**, there is shown a holder including a board **10** having cutout portions **11** and **12** formed in ends thereof for receiving a lace, braid, or ribbon-lke material **13** wound upon the board **10.** The central portion **14** of the board **10** is formed in a lattice-like structure while a round rib **15** is formed on the exposed edges of the board to make the board light, strong and free of sharp edges. Within an enclosed opening **16** on one side of the board, there is formed substantially within the plane of the board an outward extending tab or projection **17** over which one looped end **18***c* of an endless elastic band **18** is placed. As illustrated in FIG. **2,** the tab **17** has oppositely extending hook-like portions **19** and **20** with ends **19***a* and **20***a* respectfully thereof extending inward. The hook-like portions **19** and **20** and the edges of the opening **16** partially surround the elastic band **18** to restrict the removal of the band. The spacing of the hook-like portions **19** and **20** from the edges of the opening **16** is selected to be sufficiently small to restrict the free movement of the band **18** from the tab **17.** However, the spacing is sufficiently large to allow the band **18** to be removed by hand.

On the other side of the board **10,** there are formed substantially within the plane of the board a plurality of outward extending tabs **22–30** spaced from one end to the other end of the board so that the other looped end **18***d* of the elastic band **18** may be placed over a selected one of the tabs **22–30** as shown in FIGS. **1** and **3.** Both side strands **18***a* and **18***b* of the elastic band **18** are stretched across only one face of the board **10** to retain a free end **13***a* of the lace **13.** The tabs **24–28** along a side edge of the board are formed within recesses **31–33** in the side so that they not extend beyond the side edge.

Preferrably the board **10** is molded from a synthetic plastic material selected for its rigidity and strength. However, other generally rigid materials, such as metal, wood cardboard, etc. may be used.

The elastic band **18** is preferably any enclosed endless elastic strand which has a size and strength selected for its suitability for the particular size of the board **10.** Examples of such bands may be selected from those commonly referred to as rubber bands. Alternately, a single strand band with looped ends may be employed.

In use, the looped end **18***d* of the elastic band **18** is removed by hand from the tab **26** to release the free end **13***a* of the lace **13** as illustrated in FIG. **1.** The elastic band **18** is retained on the tab **17** by the hook-like portions **19** and **20** as shown in FIG. **2.** Then a selected length of lace **13** may be unwound and cut from the board **10** for use or sale. Thereafter, the elastic band **18** may be selectively replaced over one of the tabs **22–30**

to stretch the band over one of the faces of the board to retain the free end of the remaining portion of the lace **13** as illustrated in FIG. **3.**

The tabs **17** and **22–30** are all located substantially within the plane of the board **10** to allow both side strands **18***a* and **18***b* of the elastic band **18** to be selectively positioned on either face of the board **10.** Both side strands **18***a* and **18***b* of the elastic band engage the lace **13** near the free end **13***a* to provide a retaining force for the free end. Also, the elastic band extending across only one face is easy to remove without contacting the lace.

Forming the tab **17** in the opening **16** in one side and the tabs **24–28** in recesses **31–33** in the other side, substantially reduces the probability of the tabs snagging other materials which may engage or be engaged by the board **10.**

The possibility of misplacing or losing the elastic band **18** is substantially reduced by the provision of the hook-like portions **19** and **20** on the tab **17.** As illustrated in FIG. **2,** the elastic band **18** is prevented from freely falling off the tab **17** by the hook-like portions **19** and **20** and edges of the opening **16** partially surrounding the band. When an elastic band is relaxed, it tends to open into a larger loop. The inwardly extending ends **19***a* and **20***a* of the respective hook-like portions **19** and **20** capture the band **20** when the band expands into a larger loop to prevent the band from further expanding and freely falling over the hook-like portions.

When a selected length of lace is cut from the board **10,** the newly formed free end of the lace may have any position on either face of the board. Spacing of the tabs **22–30** on the side of the board allows the elastic band **18** to be selectively positioned to retain the lace near the free end **13***a* wherever it may be. Thus a long dangling end is not left to tangle with other articles or be rumpled by handling.

Since many variations, modifications, and changes in detail may be made to the embodiment described in the foregoing description and shown in the accompanying drawings without departing from the scope and spirit of the invention, the description and drawings shall be interpreted as illustrative and not in a limiting sense.

What is claimed is:

1. A holder for receiving and retaining a ribbon-like material comprising

a board having opposite sides, opposite ends and opposite faces, the opposite ends and the opposite faces for supporting a winding of the ribbon-like material;

a first of the opposite sides having an enclosed opening formed therein;

a first tab formed within the enclosed opening on the first of the opposite sides of the board;

a second tab formed on the second of the opposite sides of the board; and

an elastic band having two looped ends wherein the two looped ends extend around the respective first and second tabs and the elastic band extends across only one of the opposite faces to retain a free end of the ribbon-like material.

2. A holder as defined in claim **1** wherein the first and second tabs extend outward in opposite directions in substantially the same plane as the board.

3. A holder as defined in claim **1** wherein the board has

a recess formed in the second side of the board with the second tab formed within the recess such that the second tab does not extend beyond the edge of the second side of the board.

4. A holder as defined in claim **1** wherein the first tab has restricting means for restricting removal of the elastic band therefrom.

5. A holder as defined in claim **4** wherein the restricting means includes a hook-like portion formed on the first tab, the hook-like portion extending toward an edge on the first side of the board to partially surround the elastic band and restrict removal of the elastic band from the first tab.

6. A holder as defined in claim **4** wherein the restricting means includes a pair of hook-like portions extending in opposite directions from the first tab toward respective edges of the opening, each hook-like portion and respective edge partially surrounding the elastic band to restrict removal of the elastic band from the first tab.

7. A holder for receiving and retaining a ribbon-like material comprising

a board having opposite ends, opposite sides and opposite faces, the opposite ends and opposite faces for supporting a winding of the ribbon-like material;

a first tab formed on a first of the opposite sides of the board;

a plurality of second tabs formed on the second of the opposite sides of the board, the plurality of second tabs being spaced along the second side from a first of the opposite ends to the second of the opposite ends of the board; and

an endless elastic band having two side strands and two looped ends wherein a first of the two looped ends extends around the first tab and the second of the two looped ends extends around a selected one of the plurality of second tabs and the two sides strands extend across one of the opposite faces to retain a free end of the ribbon-like material.

8. A holder as defined in claim **7** wherein the first tab and the plurality of second tabs extend outward from a central portion of the board in substantially the same plane as the board and the first tab has means for restricting removal of the elastic band therefrom.

9. A holder having a ribbon-like material wound thereon comprising

a board having opposite ends, opposite sides and opposite faces;

a ribbon-like material having a free end wound on the board over the opposite ends and opposite faces;

a first tab formed on a first of the opposite sides of the board;

a plurality of second tabs formed on the second of the opposite sides of the board, the plurality of second tabs being spaced along the second side from a first of the opposite ends to the second of the opposite ends; and

an elastic band having two looped ends wherein (a) a first of the two looped ends extends around the first tab, (b) the second of the two looped ends extends around a selected one of the plurality of second tabs and (c) the elastic band extends across only one of the opposite faces to retain a free end of the ribbon-like material.

10. A holder having a ribbon-like material wound thereon comprising

a board having opposite sides, opposite faces and opposite ends with cutout portions, the board having an enclosed opening formed in a first of the opposite sides and a plurality of recesses formed in the second of the opposite sides;

a ribbon-like material having a free end wound on the board over the oposite ends through the cutout portions and over the opposite faces;

a first tab substantially in the plane of the board extending into the enclosed opening from a central portion of the board;

a plurality of second tabs formed in the recesses and extending outward from the central portion of the board substantially in the plane of the board such that the plurality of second tabs do not extend beyond the edge of the second side of the board;

an endless elastic band having two side strands and two looped ends wherein a first of the two looped ends extends around the first tab, the second of the two looped ends extends around a selected one of the plurality of second tabs and the two side strands extend across only one of the opposite faces to retain a free end of the ribbon-like material; and

a pair of hook-like portions extending in opposite directions from the first tab toward respective edges of the opening, each hook-like portion and respective edge partially surrounding the elastic band to restrict removal of the elastic band from the first tab.

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