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W. H. DEUBENER

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HOME PAPER PRESSER

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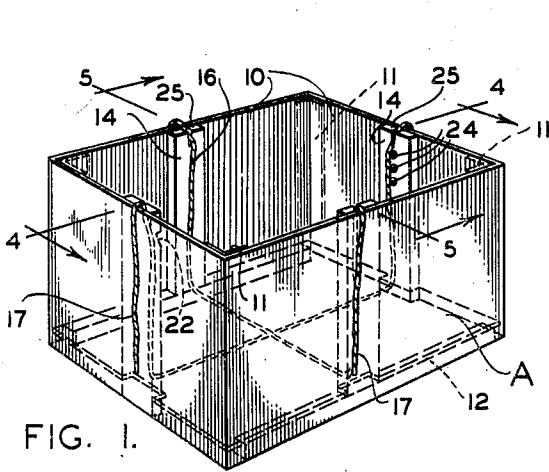


FIG. 1.

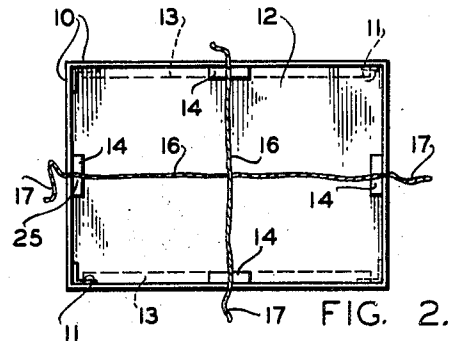


FIG. 2.

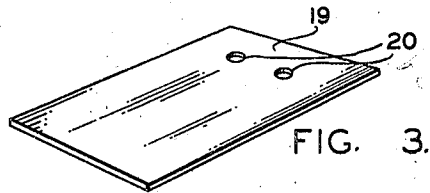


FIG. 3.

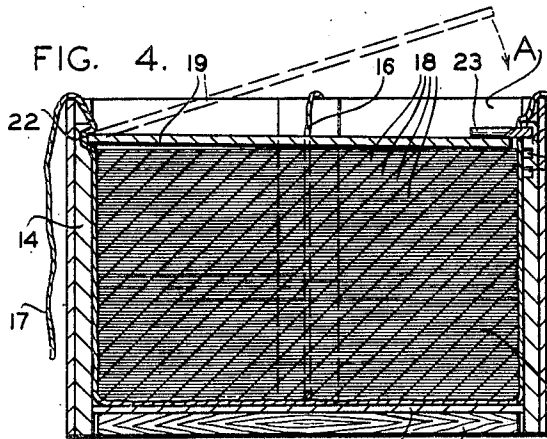


FIG. 4.

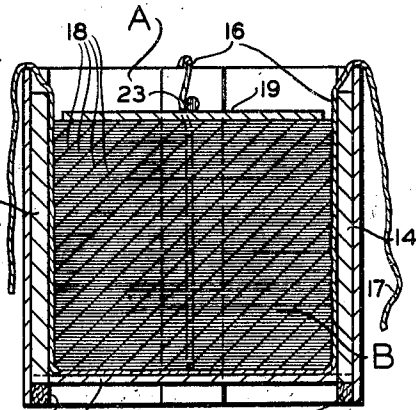


FIG. 5.

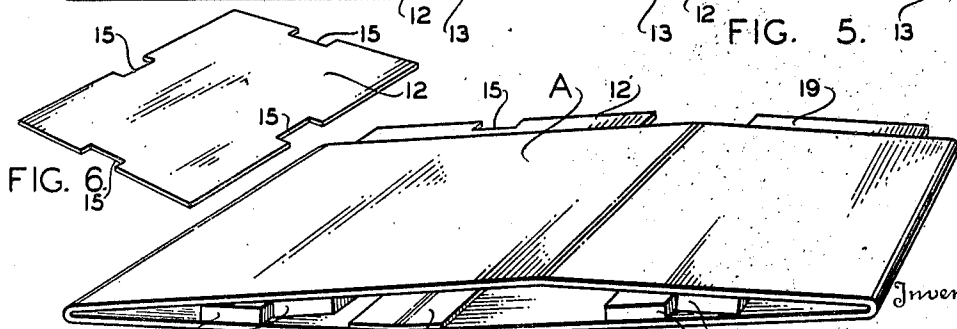


FIG. 6.

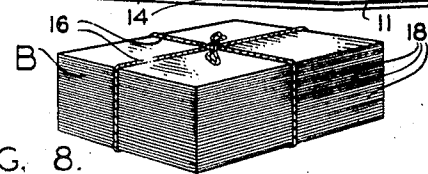


FIG. 7.

FIG. 8.

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HOME PAPER PRESSER

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2 Claims. (Cl. 100—19)

This invention relates to a collapsible home paper presser or packager which is designed to be of an economical construction and which is adapted to receive newspapers and magazines or other paper articles which can be wrapped in a bundle so as to conserve the same for further use.

It is a feature to provide a collapsible paper presser which can be stored in a flat compact unit form when not in use, or for shipment, and thus I provide a body portion with a removable bottom and top, together with side walls which are hingedly connected together.

A feature resides in providing an economical home paper presser or packager, the side walls and bottom of which are made of cardboard or corrugated paper, or any other suitable material, such as Plywood, which may be folded flat, making a compact unitary package when the same is collapsed. The paper presser is provided with a cover which may be made of wood or heavier material to provide a pressing weight member which rests upon the papers as they are piled into the packager and which also acts as a pressing means to press the package of stored papers in the packager compactly together.

It is a feature to provide a collapsible paper packager or presser wherein the bottom and the top are removable and the sides may be folded flat towards each other, and then the top and bottom may be stored between the sides, making the whole package comparatively flat and permitting the same to be stored away in a small space or shipped in a practically flat form.

Further, I provide a packager for receiving and storing newspapers, magazines, and the like in a convenient place when the packager is set up in rectangular form. Before the papers are introduced into the packager, I provide a means of supporting wrapping cords which may extend in loop formation into the container so that when the papers are thrown into the packager, the strings are held looped below the paper and the free ends of the strings or cords are supported hanging outside of the container ready to be tied over the package when the papers in the packager have piled up to a size where it is desirable to tie them together in a bundle. The package of papers is then tied up in a bundle, the same then being ready to be removed and sent to a paper reclaiming and processing concern.

A further feature resides in providing reinforcing strips secured to the side walls of the container, which strengthen the same, particularly when the sides are made of cardboard or the like, and which also form ribs inside of the con-

tainer, spacing the edges of the package from the side walls. The reinforcing ribs in the container are formed with notches or slots in the top in which the free ends of the cords may be inserted and squeezed sufficiently therein to hold the free ends of the cords from slipping down into the packager before the same has been filled with papers.

These features, together with other details and objects, will be more fully and clearly hereinafter set forth.

In the drawing forming a part of this specification:

Figure 1 is a perspective view of my home paper presser, showing the rectangular formation of the same and also illustrating the cords for tying the bundle of papers together looped in to the paper presser.

Figure 2 is a plan view looking down into the paper presser.

Figure 3 illustrates the removable weighted presser cover which normally lays upon the top of the bundle of papers and may be readily removed when desired.

Figure 4 is a section on the line 4—4 of Figure 1.

Figure 5 is a section on the line 5—5 of Figure 1.

Figure 6 illustrates a perspective view of the bottom removed from the paper presser.

Figure 7 illustrates the collapsed unit paper presser with the top and bottom members lying between the collapsed sides of the packager.

Figure 8 illustrates a perspective view of a package of papers which have been tied in a bundle and which have been collected by my paper presser.

My home paper presser and receptacle A is designed to be made economically by forming the side walls 10 of the body of cardboard, corrugated paper, or any other suitable light weight thin material, like Plywood. The side walls of the container or receptacle A are hinged together at the corners and may be reinforced by strips of cloth 11 or other suitable material, so as to reinforce the corners and the point of hinging of the side walls together. The body of the presser or container A is rectangular in form when the side walls 10 are set up to form the receptacle, as illustrated in Figure 1, and the side walls are held in set-up position by the bottom member 12, which may be formed of plywood or corrugated paper. The bottom 12 is adapted to rest on the longitudinal sills 13 which are attached at the bottom of the side walls.

The side walls 10 are reinforced by the strip members 14 which extend transversely along the side walls and are secured thereto and stand upright in the container A when the same is set up as illustrated. These reinforcing strips 14 may be secured to the side walls 10 in any suitable manner and may be made of wood or any other suitable material, so as to reinforce and strengthen the sides of the presser A.

The bottom 12 is formed with notched-out portions 15 which are adapted to fit over the reinforcing strips 14 to closely fit the bottom 12 in operative position and around the strips 14, thereby acting as a means of holding the side walls 10 in set-up rectangular formation to form the receptacle or presser A.

In use, the receptacle or home paper presser A is set up as illustrated in Figure 1, and a pair of strings or cords 16 are looped into the container with one cord 16 extending longitudinally centrally in the container and the other cord 16 extending transversely in the container and with the free ends 17 of the cords hanging outside of the container.

When the container is set up in this manner, it is ready to receive newspapers, magazines, or other paper articles 18 which are adapted to be piled into the container A until the desired size package has been collected or the container A is filled to its capacity. A weighted presser top member 19 is provided which has finger engaging holes 20 formed in the same, so that the cover may be easily engaged and lifted out of the presser A when desired. The cover 19 may be made of any suitable material such as a thick piece of wood or metal or any other material which would provide a flat weight which would normally rest on top of the pile of papers 18 and tend to flatten the same as the package increases in size, as the papers are piled in the receptacle.

The receptacle A forms a means of storing and collecting discarded newspapers, magazines, and the like, and forms a convenient means of collecting and tying the papers into bundles, such as B illustrated in Figure 18, the cords 16 being tied around the package B to hold the papers in a neat package.

When the receptacle or presser A has been filled virtually to capacity, one end of the presser top 19 may be slipped in the notch 22 and the other end thereof may be held under the adjustable pin 23 which may be inserted in the openings 24 formed in the end rib 14 so as to hold the papers 18 in compressed form until one of the cords 16 is tied over the same. The other cord 16 may be loosely tied over the papers and then the package B removed from the container A, whereupon the cover member 19 may be slipped out from under the cords 16 and then the cords tied tightly around the bundle to form the package or bundle of papers B. However, if it is desired to tie the bundle B with the cords 16 permanently over the papers before they are removed from the receptacle A, the presser cover 19 may be first removed and then the cords can be drawn tightly over the papers and tied securely to form a neat compact bundle B of papers.

When the cords 16 are looped into the container A, the free ends 17 hang over the side walls and the cords are frictionally held in the slots 25 so as to keep the cords from falling down into the container while papers are being piled in the same. Then when the bundle B is

tied together by the cords 16 after the cover 19 has been removed, the free ends 17 can be easily engaged and drawn tightly and tied over the top of the bundle B. It is apparent that other means besides cords may be used for securing the bundle of papers together, but it is desirable that the securing means for the bundle B be placed in loops in the receptacle so that the papers 18 may be piled in the receptacle over the loops and then the free ends of the cords connected together to tie the bundle in neat form.

My home paper presser A is designed to provide a means of conserving newspapers, magazines, and the like, and to form a storage compartment or receptacle for the same while they are being collected into bundle form. I also have means therein for keeping the papers weighted down while they pile up in the container or receptacle, so that by the time a sufficient number of papers have been collected to form a sizable bundle, the papers are all lying flat and are in neat form so that the cords 16 can be easily tied and the bundle B of papers removed from the receptacle A. It is desirable that newspapers, magazines, and other papers may be collected and saved so that they may be reprocessed and claimed for paper in the interest of economy. It is also desirable that a container of this character be made cheaply enough so that the ordinary home can afford to have the same in readiness to be used as a receptacle and a collector for packaging the bundles B of papers. Therefore, it is desirable that my paper presser A be made as stated of cheap material, such as corrugated paper, cardboard, or of thin Plywood. It is also desirable and it is a feature of my presser to provide a unitary collapsible paper presser which may be stored away when not desired for use, or for shipment, and thus I have hinged the side walls 10 together at the corners, reinforcing them if desired, so that the container may be collapsed into a comparatively flat unitary package as illustrated in Figure 7. When the presser is collapsed in this manner, the bottom 12 and the top 19 may be slipped between the side walls and the whole package is thus in a unit and may be raised up and delivered to the customer in this form, or shipped from place to place or stored in this manner. In providing the reinforcing strips 14, I strengthen the side walls sufficiently so as to make the container strong and durable even when the side walls are made out of corrugated paper. The bottom 12 may be reinforced by strips or ribs (not shown) so as to strengthen the same if desired.

In accordance with the patent statutes, I have described the principles of construction and operation of my home paper presser; and while I have endeavored to set forth the best embodiments thereof, I desire to have it understood that these are only illustrative of a means of carrying out my invention, and that obvious changes may be made within the scope of the following claims without departing from the spirit of my invention.

I claim:

1. A paper hamper comprising a foldable body portion having side walls and end walls, an upright reinforcing rib for each of said walls, a pair of shoulder rails secured to the side walls of said body portion at the bottom thereof, a removable bottom adapted to be supported by said shoulder rails when said body portion is in open position, a notch in the top end of each of said upright reinforcing ribs for supporting the ends of tie cords, a horizontally extending slot near the top end of one of the reinforcing ribs secured to one of the

end walls, a series of apertures arranged one above the other in the opposite reinforcing rib secured to the opposite end wall, a pin adapted to be inserted in any of said apertures in said reinforcing rib, a removable top pressure member adapted to have one of its ends engage said horizontally extending slot and to be engaged by said pin at the other end thereof, said pressure member being adapted to lie on the top of a pile of papers which are collected in said hamper and to exert a downward pressure on said papers by means of said pin.

2. A collapsible paper hamper having a removable top pressure member, a series of upright reinforcing ribs for the walls of said paper hamper, 15

one of said upright reinforcing members having a horizontally extending slot, another of said ribs having a series of apertures arranged one above the other, a pin adapted to be inserted in any one of said apertures, said removable top pressure member being adapted to engage in said slot and to be held by means of said pin against upward movement and against papers which are collected in said paper hamper, and said pin being adapted to be inserted in any of said apertures so as to vary the amount of pressure said pressure member exerts against the pile of papers in said hamper.

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