July 9, 1929. M. B. SELIGMAN 1,720,449

NEWSPAPER BALER

Filed Dec. 8, 1927

Fig. 1.

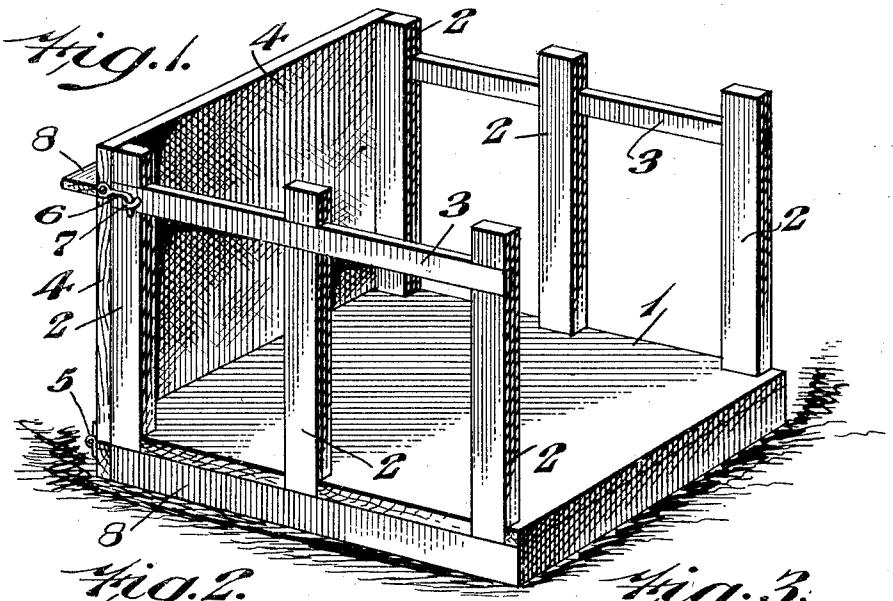


Fig. 2.

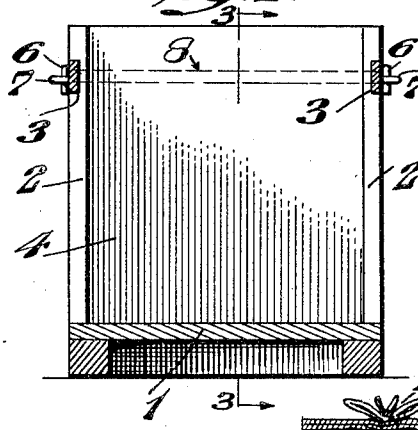


Fig. 3.

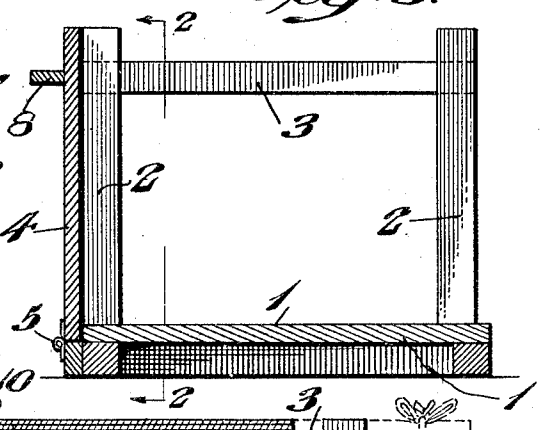
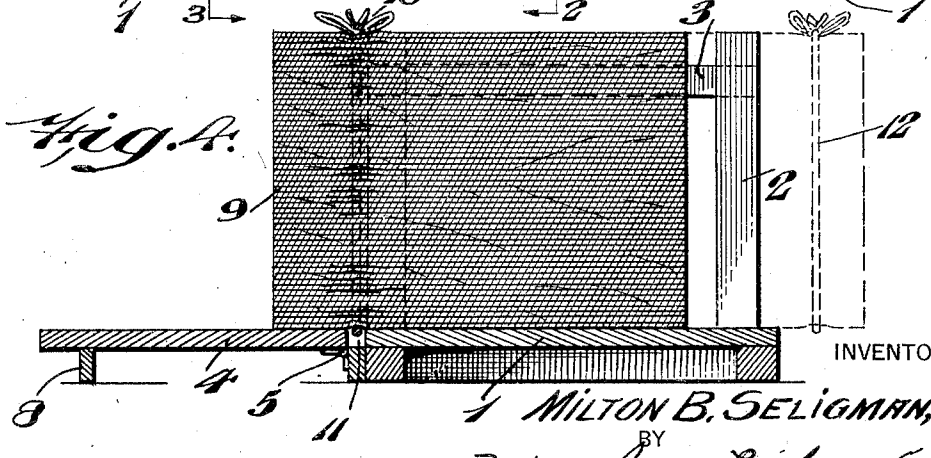


Fig. 4.



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UNITED STATES PATENT OFFICE.

MILTON B. SELIGMAN, OF PHILADELPHIA, PENNSYLVANIA.

NEWSPAPER BALER.

Application filed December 8, 1927. Serial No. 238,489.

My invention relates to a baler for newspapers whereby a predetermined number or quantity of papers may be stacked in the folded condition to be tied into a bundle convenient for handling and transportation.

In distributing newspapers it is necessary to prepare bundles of a predetermined weight which will contain a predetermined number of newspapers to be distributed to the different news stands. It has been the practice heretofore manually to count or weigh the newspapers and then tie or secure the same into a bundle.

It is the object of my invention to provide means whereby the desired number of papers may be neatly stacked and conveniently bound into a bundle without the necessity of counting or weighing.

To the above ends my invention consists of a crate or frame of a width equal to the width of a standard newspaper in the folded condition, said crate being provided at one end thereof with a hinged wall, the latter being provided with a foot or rest of a height equal to the height of the base of the crate so that when said wall is in the horizontal position it lies flush with the base of said crate.

My invention further consists of the various novel features of construction hereinafter described.

For the purpose of illustrating my invention I have shown in the accompanying drawings one form thereof which is at present preferred by me, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of the instrumentalities.

Referring to the drawings:—

Figure 1, represents a perspective view of a newspaper baler embodying my invention.

Figure 2, represents a section on line 2—2 of Fig. 3.

Figure 3, represents a section on line 3—3 of Fig. 2.

Figure 4, represents a diagrammatic, longitudinal sectional view showing my novel newspaper baler in use.

Referring to Figure 1 of the drawings, 1 designates the base or bottom wall of my novel newspaper baler to which are rigidly secured the end and intermediate uprights 2 forming skeleton sides to which in turn are secured the horizontal upper braces 3. 4 designates an end wall hinged to a bottom strip secured to the base member 1 as at 5 and adapted to be retained in the upright position by means of the hook 6 which engages the eye 7 in the brace members 3. The wall 4 is provided with a strip or rest 8 which will be hereinafter referred to. The newspapers are folded once in the conventional manner and are inserted through the open end of the crate until the edges thereof contact with the upright end wall 4. This insures the accurate vertical alignment of the edges of the papers, the width of the base 1 being equal to the width of the folded newspaper. When the top of the stack 9 thus formed is flush with the upper edges of the uprights 2 and the wall 4 the operator knows that there is in that stack a predetermined number of newspapers depending on the height of the members 2. The upright wall is now moved from the upright position shown in Figure 1 into the horizontal position shown in Figure 4. A string or cord 10 is positioned in the hinge recess 11 formed between the wall 4 and the base 1 when the former is in the horizontal position and the stack of newspapers 9 is pushed through the open end of the crate onto the flat wall 4. The string 10 is then tied over the top of the stack as will be understood from the left hand portion of Fig. 4. The stack of papers 9 is now pushed from left to right and another string 12 is tied around the other end of the stack as shown in dotted lines in the right hand portion of Fig. 4.

It will thus be seen that in addition to providing a baler in which a predetermined number of newspapers can be stacked in perfect alignment and without counting or weighing, I have also devised means for facilitating the tying or binding of the stack of papers into a bundle. Thus I provide the groove 11 at the hinge of the end wall 4 and the base 1 for inserting the binding cord 10 thus eliminating the necessity of raising or otherwise disturbing the stack 9 while tying the same. The foot 8 provided on the member 4 serves to retain the latter in the same horizontal plane as the base 1 as will be understood from Fig. 4.

While in the annexed drawings I have shown my novel baler made of wood and permanently assembled it is to be understood that the same may be made of metal and wood or all metal as may be desired and that

the component parts may be so made as to be capable of being detachably assembled, the object being to provide means for the formation of neat bundles each containing a predetermined number or quantity of newspapers.

It is to be understood that while I have described my novel baler as applied to the bundling or stacking of newspapers for sale and distribution it is to be understood that the same is equally well adapted for use in stacking and bundling used newspapers and other waste paper in homes, offices and the like, wherein paper may be neatly kept until the baler is full which will indicate that a bundle of a predetermined weight has been formed which can then be tied and sold as waste papers or otherwise disposed of.

It is also within the scope of my invention to employ my device as a floor baler, that is, to be set directly on the floor or the same may be provided with legs or supports in the form of a stand or table thus leaving the floor space under the baler available.

I am aware that the invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof, and I therefore desire the present embodiment to be considered in all respects as illustrative and not restrictive, reference being had to the appended claim rather than to the foregoing description to indicate the scope of the invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:—

In a baler of the character stated, a base, opposite skeleton sides formed by two vertical outer stationary uprights rigidly secured to said base on two opposite sides thereof, intermediate stationary uprights, transverse upper horizontal braces secured to the upper ends of said uprights, a bottom strip for said base, an end plate secured to said bottom strip by lower hinges, so that when said plate is in a horizontal position a cord receiving groove is formed between said base and the bottom edge of said plate, means for securing said plate to the contiguous end uprights when said plate is in vertical position, and a strip on the upper outer portion of said plate to maintain the latter in horizontal alignment with said base when said end plate is in horizontal position, the opposite end of said baler being at all times unobstructed.

MILTON B. SELIGMAN.