

May 16, 1933.

C. A. BLIVEN

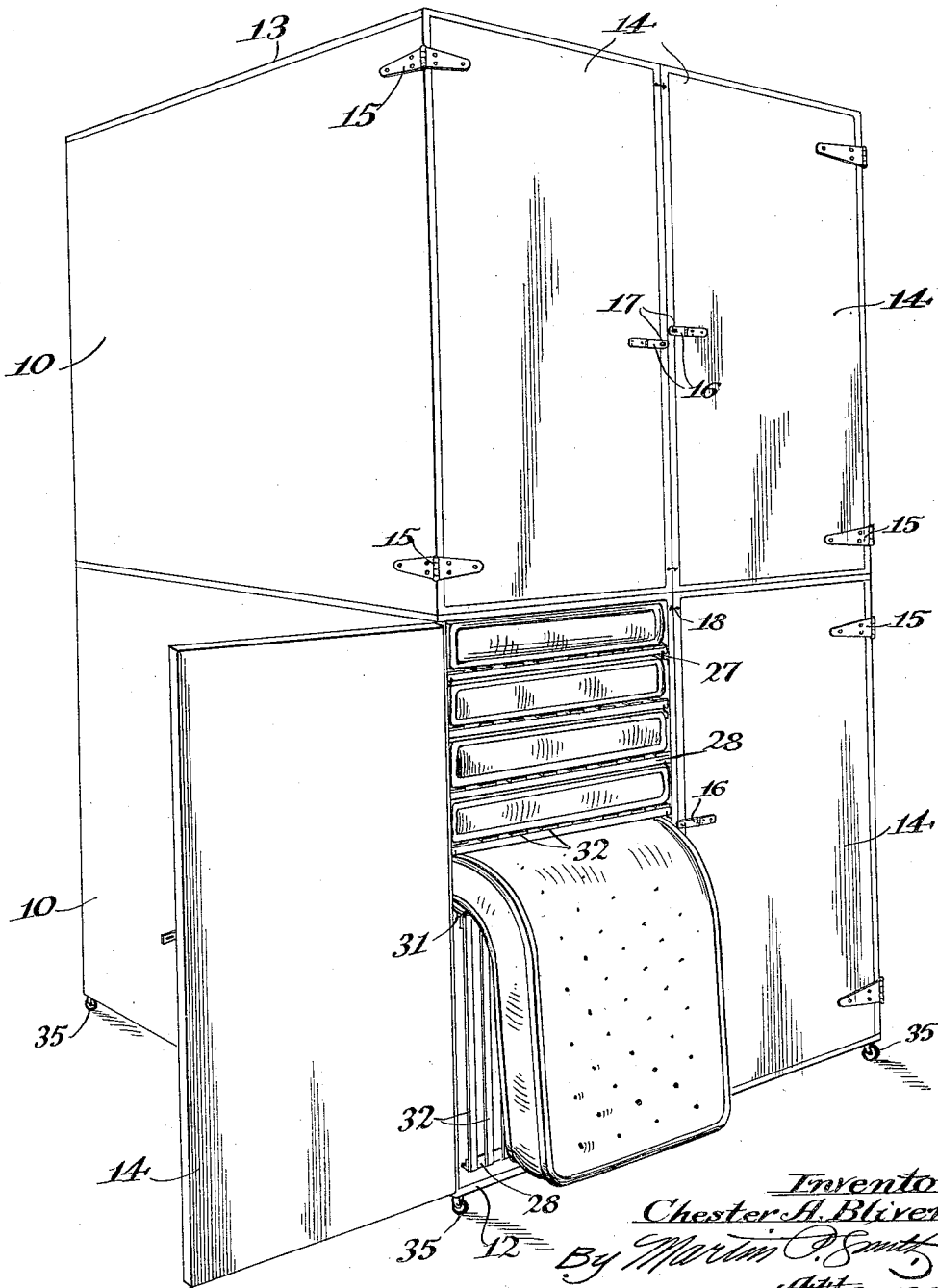
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SANITARY MATTRESS CABINET

Filed Feb. 17, 1931

2 Sheets-Sheet 1

Fig. 1.



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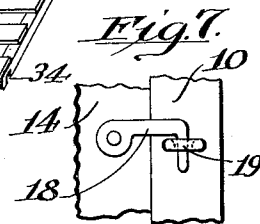
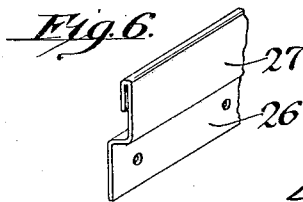
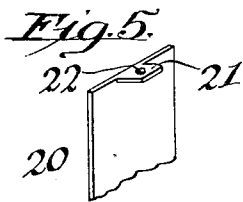
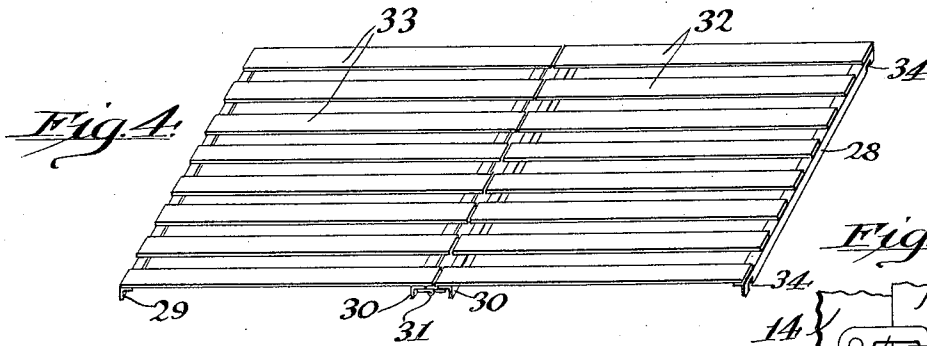
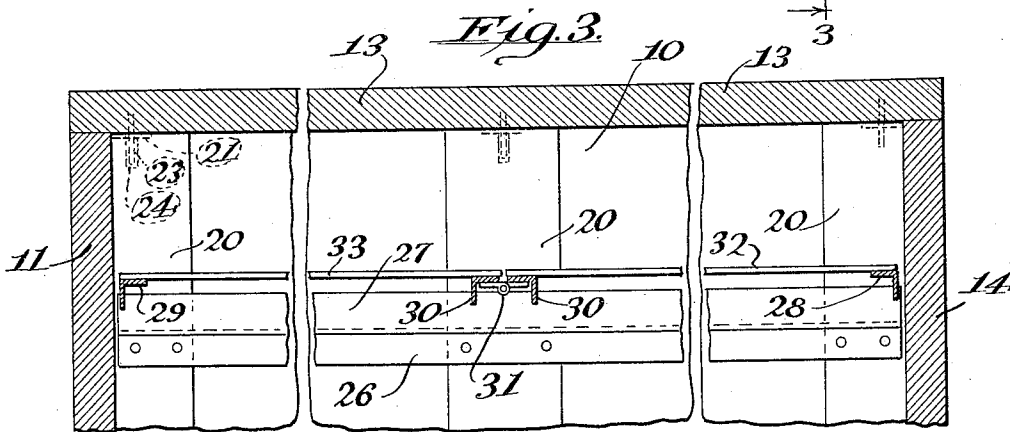
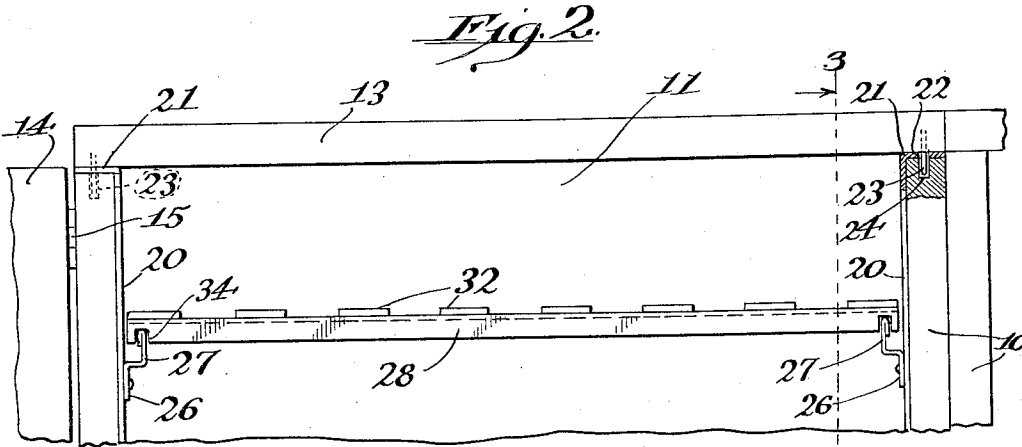
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SANITARY MATTRESS CABINET

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2 Sheets-Sheet 2



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SANITARY MATTRESS CABINET

Application filed February 17, 1931. Serial No. 516,314.

My invention relates generally to storage appliances and more particularly to a sanitary mattress cabinet that is especially designed for use in storage houses, factories, stores and the like.

The principal object of my invention is, to provide a relatively simple, practical and convenient cabinet that is adapted to afford separate storage for a number of mattresses and to effectually protect the stored mattresses against the deleterious results of dust, moisture, moths and the like.

Further objects of my invention are, to provide a mattress storage cabinet that will be effective in holding the mattresses so that the same are not subjected to pressure as would be the case if the mattresses were piled one directly upon the other, further, to construct the cabinets in units that are capable of being readily assembled side by side or one above the other in order to conserve floor space in warehouses, stores and the like and further, to provide a cabinet having independently movable mattress supporting racks that may be readily withdrawn in order to facilitate the insertion, removal or inspection of the separate mattresses.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts that will hereinafter be more fully described and claimed and illustrated in the accompanying drawings in which:

Fig. 1 is a perspective view of a plurality of assembled mattress cabinets constructed in accordance with my invention, with the door of one of the cabinets open and with one mattress partially withdrawn from the cabinet.

Fig. 2 is a front elevational view of the upper portion of one of the cabinets with the door thereof in open position.

Fig. 3 is a vertical section taken on the line 3—3 of Fig. 2 and with the door of the cabinet closed.

Fig. 4 is a perspective view of one of the individual mattress supporting racks.

Fig. 5 is a perspective view of the upper end of one of the posts that is utilized in my improved mattress cabinet.

Fig. 6 is a perspective view of a portion of one of the rails that is utilized as a support for the sliding racks.

Fig. 7 is an elevational view of a detachable connection that is utilized between the cabinets when a plurality thereof are assembled.

My improved cabinet is preferably rectangular in form and comprises side walls 10, a rear wall 11, a bottom wall or panel 12, a top wall or panel 13 and a hinged door 14 that normally closes the front of the cabinet.

These walls, panels and door may be constructed from any suitable material, for instance, solid wood, wood veneer, composition or metal and, if desired, the inner faces of said walls and panels may be covered or lined with paper, fabric or the like that is treated with a suitable disinfectant or insecticide.

In the event that the cabinets are manufactured in a factory they may be constructed in knock-down form and shipped to the points where they are set up for use, thus effecting a material saving in shipping and transportation charges.

When set up for use, the side walls, rear wall and bottom wall or panel are permanently secured to each other in any suitable manner and the top wall or panel 13 is detachably arranged on the side and rear walls as will be hereinafter more fully described.

The front door 14 is connected to the front edge of one of the side walls 10 of the cabinet by suitable hinges 15 and said door is constructed so that when closed its outer face lies flush with the outer edges of the side walls and the top and bottom walls or panels.

The free edge of the door 14 is provided with a hinged hasp 16 that receives a staple 17 that projects from the front edge of the adjacent side wall and such construction permits a padlock or the like to be used for locking each individual cabinet.

In order to detachably connect the members in a row of the cabinets, suitable hooks 18 are pivotally connected to the front and rear edges of one of the side walls of each cabinet and which hooks are adapted to engage in loops or staples 19 that project from

the front and rear edges of the side wall of the next adjacent cabinet (see Fig. 7).

The top walls or panel 13 of the cabinets may be permanently secured to the upper edges of the side and rear walls, but where a large number of the cabinets are used, for instance, in storage houses, factories and the like, and it is desired to economize floor space, the top walls or panels are made detachable in order that the cabinets may be arranged in tiers and where such arrangement is carried out it is necessary to provide only one top panel for each vertical row of cabinets.

Where the top panel is made removable I provide on the inner surfaces of the side walls 10 two or more vertically disposed posts 20, preferably formed of metal and projecting outwardly from the upper ends of these posts and lying directly on top of the side walls 10 are ears 21 that are provided with apertures 22.

Seated in the side portions of the top panel 13 and depending therefrom are pins 23 which when the top panel is positioned on the gasket, project downwardly through the apertures 22 and the recesses 24 that are formed in the upper portions of the side walls 10.

This construction firmly retains the top panel in position on the cabinet and yet permits said top panel to be readily removed from the cabinet.

For the support of the sliding racks that receive and hold the separate mattresses, horizontally disposed rails 26, which may be of wood, metal or the like, are secured on the inner faces of the side walls 10 of the cabinet and where these rails are formed of metal, their upper portions 27 are spaced apart from the side walls, as illustrated in Fig. 2. Where the rails 26 are formed of sheet metal or the like, the lower portions thereof may be secured directly to the vertical posts or plates 20 by means of rivets of like fastening devices, as illustrated in Fig. 3, thereby materially reinforcing the cabinet and particularly the side walls thereof.

Each rack comprises a front rail 28, a rear rail 29 and a pair of intermediate rails 30, which latter are preferably disposed at a point midway between the front and rear rails 28 and 29 and said intermediate rails being connected by a suitable hinge or hinges such as 31. These rails may be formed of wood, although I prefer to construct them from sections of light weight angle iron.

Secured in any suitable manner to the front rail 28 and to the front one of the intermediate rails 30 are longitudinally disposed slats 32 and similar slats 33 are secured to the rear one of the intermediate rails 30 and to rear rail 29 (see Fig. 4).

Formed in the lower edges of the end portions of the transverse rails 28, 29 and 30 are notches 34 which receive the upper portions 27 of the supporting rails 26, thereby en-

abling the mattress supporting racks to readily slide into and out of the cabinets. If desired the racks may be constructed without the intermediate hinge joint, as herein illustrated and described, but for convenience in handling the mattresses and to permit ready access and inspection, I prefer to construct said racks in two parts that are connected by a hinge or hinges as described.

In Fig. 1 I have illustrated one of the racks partially withdrawn so as to expose one-half of the supported mattress and which latter is shown hanging in front of that portion of the rack that drops downward when withdrawn.

Mattress storage cabinets of my improved construction may be made in various heights and in widths to accommodate the standard sizes of single and double width mattresses.

If desired the cabinets may be supported upon suitable casters 35 and which arrangement enables the cabinets to be readily shifted from one position to another.

Thus it will be seen that I have provided a sanitary mattress storage cabinet that is relatively simple in construction, inexpensive of manufacture and which is very effective in performing the functions for which it is intended.

The mattresses stored within the cabinet are conveniently supported by readily removable racks or shelves and when the door of the cabinet is closed the contained mattresses are thoroughly protected against discoloration from dust and moisture and also against the destructive action of moths and other insects.

It will be understood that minor changes in the size, form and construction of the various parts of my improved sanitary mattress storage cabinet may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claim.

I claim as my invention:

A sanitary mattress storage cabinet, comprising a substantially rectangular structure including a hinged front door, a plurality of spaced metal strips secured to the inner faces of the side walls of the cabinet and extending vertically the entire height of said side walls, ears formed integral with and projecting outwardly from the upper ends of said metal strips, which ears overlie the upper edges of the side walls of the cabinet, said ears being provided with openings, the upper portions of the side walls of the cabinet being provided with openings that register with the openings in said ears, a top panel for closing the upper end of the cabinet, straight pins seated in and depending from said top panel, which pins are adapted to pass through the openings in said ears and occupy the openings in the upper edges of the side walls of said

cabinet and horizontally disposed rails positioned against the inner faces of the side walls of the cabinet and secured to the vertical strips thereon, the upper portions of which rails are spaced apart from said vertical strips and the inner faces of the side walls of the cabinet.

In testimony whereof I affix my signature.
CHESTER A. BLIVEN.

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