Nov. 25, 1941. N. M. OLNEY 2,263,901

HANGER

Filed March 11, 1941

Fig. 1.

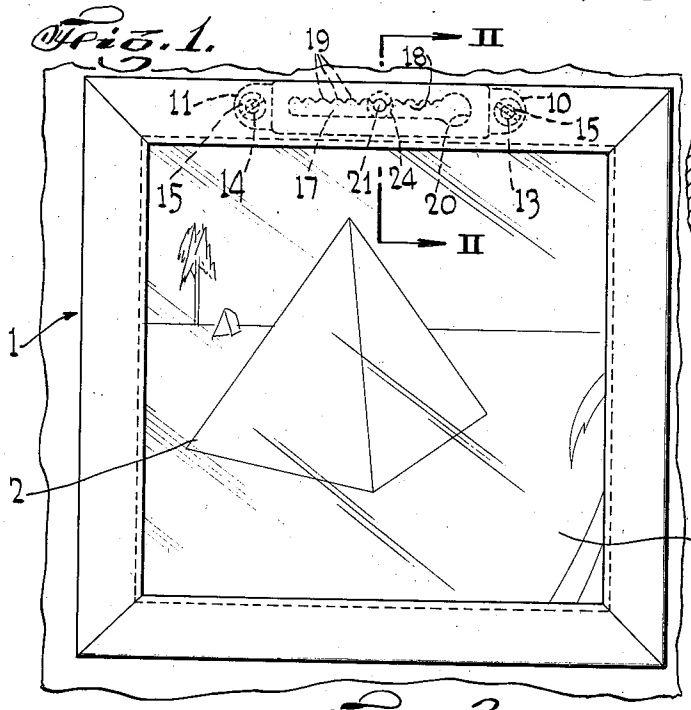


Fig. 2.

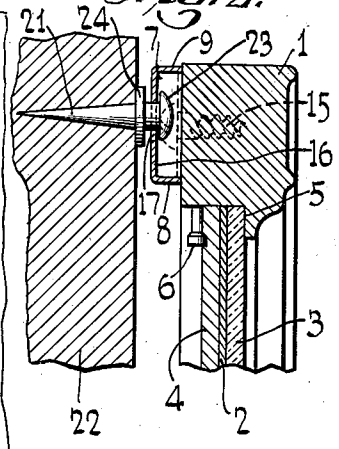


Fig. 3.

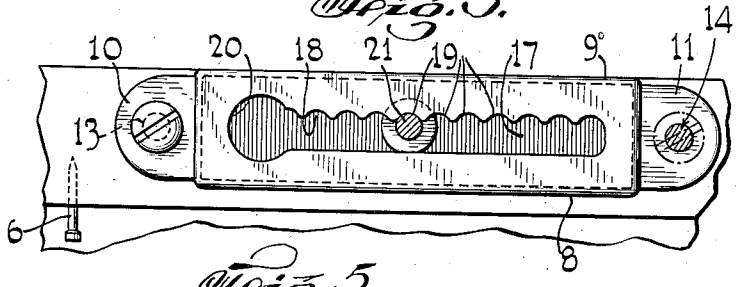


Fig. 4.

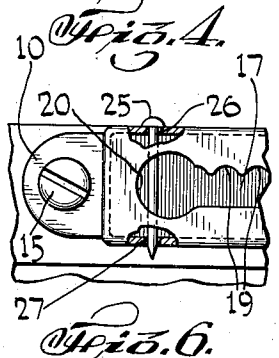


Fig. 5.

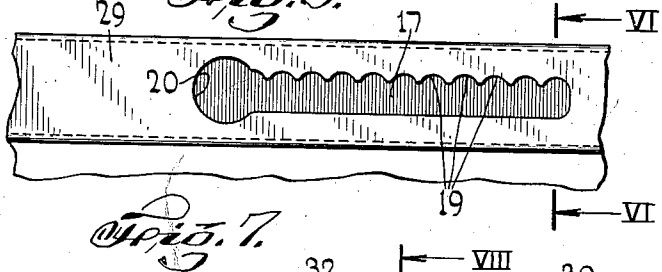


Fig. 6.

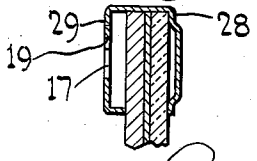


Fig. 7.

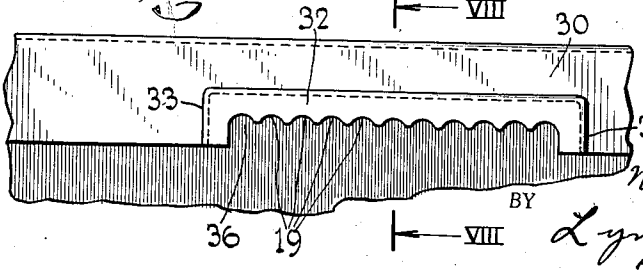
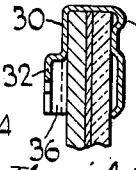


Fig. 8.



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UNITED STATES PATENT OFFICE

2,263,901

HANGER

Nathaniel M. Olney, Jersey City, N. J.

Application March 11, 1941, Serial No. 382,698

2 Claims. (Cl. 248—31)

This invention relates to hangers, especially hangers for suspending articles from a vertical wall and more particularly hangers for pictures.

A principal object of this invention is the production of a device of the type specified which will afford a convenient and easily manipulated means for adjusting suspended articles so that they will hang level and remain level.

A further object of the invention is the production of a device of the type specified which will afford a means for preventing a suspended article from being detached from its hanging means.

A further object of the invention is the production of a hanging means which may be embodied as a part of a picture frame.

Other objects and advantages will appear as the description of the invention and the particular physical embodiments selected to illustrate the invention progresses and the novel features will be particularly pointed out in the appended claims.

In describing the invention in detail, and the particular physical embodiments selected to illustrate the invention, reference will be had to the accompanying drawing and the several views thereon, in which like characters of reference designate like parts throughout the several views, and in which:

Figure 1 is a front view of a picture and picture frame with a hanger embodying the invention shown thereon; Fig. 2 is a fragmentary cross-sectional view on the plane indicated by the line II—II of Fig. 1, viewed in the direction of the arrows at the ends of the line; Fig. 3 is a fragmentary back view showing the picture hanger of Fig. 1 somewhat enlarged; Fig. 4 is a fragmentary view of the device as shown by Fig. 3 and showing, in addition, a locking means for preventing the picture hanger from becoming detached from a hanging nail; Fig. 5 is a rear view of a fragment of picture frame embodying the hanger; Fig. 6 is a cross-sectional view of the device as shown by Fig. 5 on the plane indicated by the line VI—VI viewed in the direction of the arrows at the ends of the line; Fig. 7 is another form of picture hanger embodied directly in a picture frame; Fig. 8 is a cross-sectional view of the device as shown by Fig. 7, on the plane indicated by the line VIII—VIII viewed in the direction of the arrows at the ends of the line.

In the figures, numeral 1 designates a picture frame of ordinary and usual construction. This picture frame serves as a holder or container for a picture 2 which is protected by a glass 3 and backed up by a backing piece 4. The glass, picture and backing piece rest in a rabbet 5 in a frame and are held therein by any usual or ordinary means as by nails, as 6.

Applicant's hanger 7 is partly of channel form having the legs 8 and 9 across which extends a plate 12 extending beyond the ends of the channel and forming the tabs 10 and 11 each of which is apertured as at 13 and 14 to receive suitable attaching means, such as screws 15 driven into the material of the frame 1. The hereinbefore described constructions are preferred but it is to be understood that the description merely is that of a means for providing a suitable support for what is the bottom 16 of the channel, that is, a plate. This plate embodies the essence of applicant's invention. The plate is formed with a longitudinal slot 17, one edge 18, the upper when applied to a picture, being formed with serrations 19 and one end being enlarged, as at 20, to form an entrance orifice.

After the hanger 7 is properly attached to the back of the frame 1 and after a nail, as 21, is driven into a wall, as 22, at the proper place, the picture is approached toward the nail 21 and the receiving orifice 20 thereof is passed over the head 23 of the nail 21 and then the frame is moved sideways and one of the serrations rested upon the nail 21. If the proper serration has been selected, the picture will hang level or balanced, if not, the picture is adjusted sideways until after resting it upon the nail 21 it will hang level or balanced.

It is to be understood that by the term, nail, is designated any device simulating a nail or screw or equivalent device.

Due to the construction of applicant's device after the picture is once hung it will not move sideways on its supporting nail 21 because that nail engages in a serration, consequently, the picture not only may be hung level but will remain level even if the building in which it is hung is jarred by passing traffic.

The serrations 19 may be made as fine or as coarse as experience dictates. In some cases they may well take the form of and closely simulate the teeth of an ordinary saw. At other times they may have considerable space between the points and be rounded at the bottoms as shown in Fig. 1. The exact form of the serrations is not critical. They may be made in such form as will serve the purpose.

Any ordinary headed nail may be used to be driven into the wall 22 but applicant prefers a two headed nail, that is, a nail such as 21 having one head 24 which limits the driving in of the nail

and another head 23 to prevent the picture 1 from becoming detached from the nail.

In order to render it difficult for maliciously inclined persons to remove a picture from a hanging nail applicant provides a means which may be used with his invention in the form of a pin 25, or nail head withdrawal preventer, shown in Fig. 5. This pin 25 will be passed through formed orifices 26 and 27 in the legs 9 and 8 of the channel and be so positioned that it will pass through them in line with the nail head entering orifice 20. After the nail has been entered in the orifice 20 and the picture has been moved along to its proper position sideways, headed pin 25 will then be passed through the orifices 26 and 27 so that the picture cannot be removed without first reaching behind the picture and removing the pin 25 so that only a person acquainted with the construction would be able to remove the picture and then only after some trouble.

In Fig. 5, applicant has shown his hanger embodied as a part of a frame. The frame is designated 28 and is made of any usual and appropriate material, preferably metal and embodies a rear plate like member 29. This plate like member is formed as shown in Fig. 5 with a nail head entering orifice 20 and serrations 19. The hanging of the picture equipped with a frame such as 28 is done in exactly the same way as described in connection with Figs. 1 and 2.

In Fig. 7 a further modified form of applicant's invention is shown, in that, the rear plate 30 of the picture frame 31 is a portion 32 bent outwardly for a distance as between the lines 33 and 34 and a portion, as 35, preferably cut away with the remaining edge serrated as at 19. With this construction the bending out of the portion 32 leaves a space 36 within which the head of a nail may rest and the serrations 19 when put in contact with a hanging nail prevent shifting of the picture frame.

Although I have particularly described several physical embodiments of my invention and explained the operation, construction and principle thereof, nevertheless, I desire to have it understood that the forms selected are merely illustrative but do not exhaust the possible physical embodiments of the idea of means underlying my invention.

What I claim as new and desire to secure by Letters Patent of the United States, is:

1. A hanger, including, in combination: a plate, means for attaching said plate to a frame with a space therebetween, said plate formed with an elongated slot having one edge formed with serrations and an enlarged orifice at one end adapted to receive the head of a nail whereby the hanger may rest upon the shank of a nail with a serration partially embracing the nail and the head of the nail will be positioned between the plate and the frame to which it is attached.

2. A hanger, including, in combination: a plate, said plate formed with an elongated longitudinal slot and one edge of the slot formed with serrations, said plate further formed with an enlarged orifice at one end of the slot whereby a nail head may be passed through the orifice and the shank thereof partially engaged by one of the serrations and means adapting said plate to be secured to an article to be suspended, and means for supporting a nail head withdrawal preventer back of said orifice.

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