

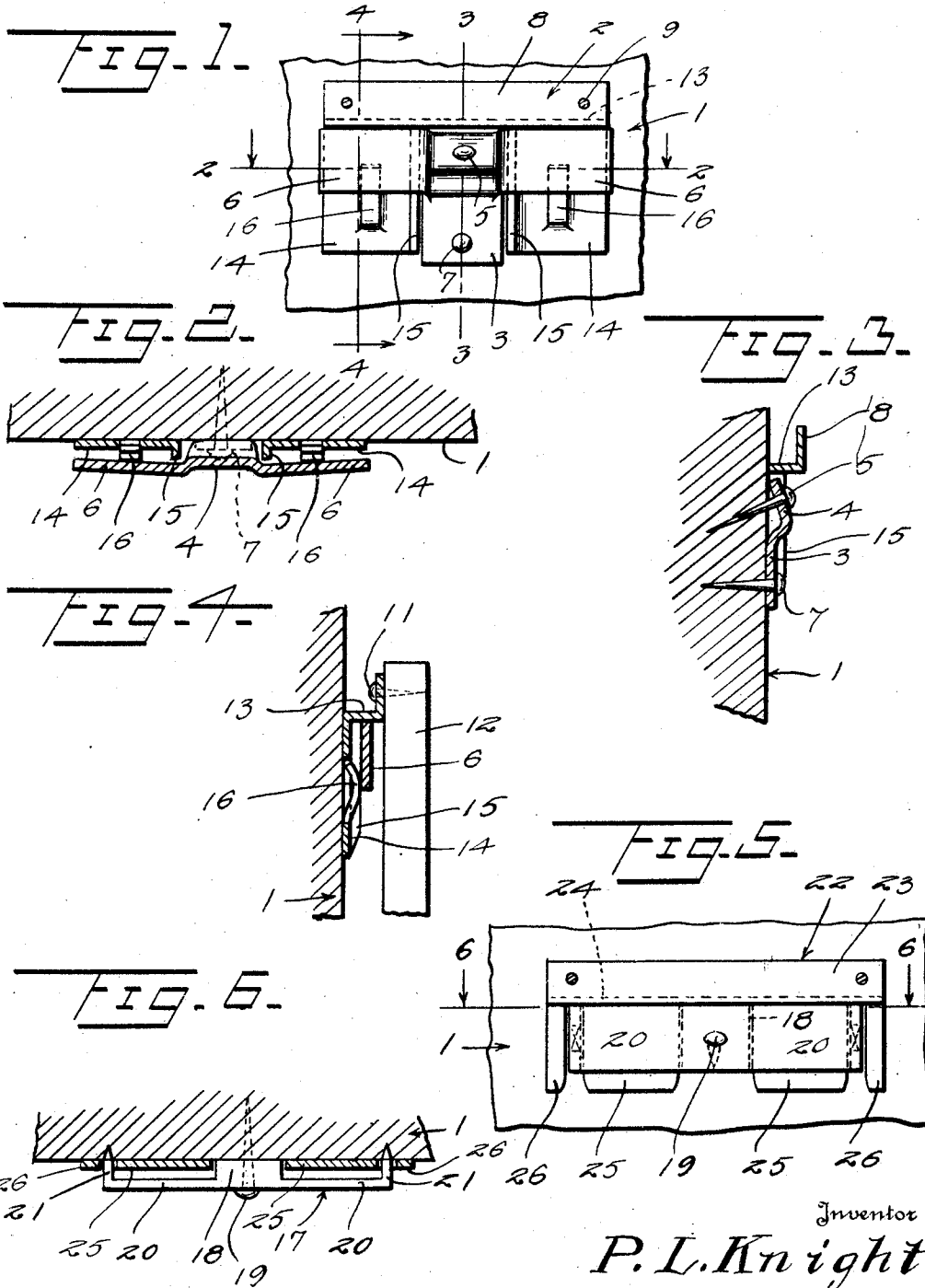
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ARTICLE HANGER

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ARTICLE HANGER

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This invention relates to improvements in hanging devices for hanging pictures or other bodies.

The primary object of the present invention is to provide a device for hanging objects upon the wall, particularly pictures, in such a manner that they cannot easily become displaced and they cannot move from the position in which originally placed.

Another object of the invention is to provide a picture hanging device formed in two parts one of which is permanently attached to the wall and the other is permanently attached to the picture frame, which parts are securely interlocked when the frame is hung.

A still further object of the invention is to provide a picture hanging device of the above described character in which the two parts of which it is made up are resiliently joined so that while they may be readily connected or disconnected, they will not move relative to one another while in use.

A still further object of the invention is to provide a picture hanger of the above described character in which one of the units is so formed that the securing device used in association therewith will be driven into the supporting wall or other structure at a downward inclination so as to add materially to the carrying ability of the device.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawing forming part of this specification, with the understanding, however, that the invention is not confined to any strict conformity with the showing of the drawing but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawing:—

Figure 1 is a view showing the complete device embodying the present invention, the wall attached unit thereof being mounted upon a wall while the other unit which is attached to a picture frame is shown operatively connected therewith.

Figure 2 is a sectional view taken on the line 2—2 of Figure 1;

Figure 3 is a sectional view taken on the line 3—3 of Figure 1;

Figure 4 is a sectional view taken on the line 4—4 of Figure 1;

Figure 5 is a view similar to Figure 1 showing a modified form of the invention;

Figure 6 is a sectional view taken on the line 6—6 of Figure 5.

Referring now more particularly to the drawing wherein like numerals of reference indicate corresponding parts throughout the several views, the numerals 1 and 2 indicate respectively the wall and picture attached portions of the preferred embodiment of the device embodying the present invention. The portion or unit 1 comprises a central plate 3 which at one end is pressed to form the portion 4 which has its outer surface obliquely disposed with respect to the lower part of the plate so that when the plate is mounted upon a wall and a securing device such as the nail 5 is extended through a suitable aperture therein into the wall, it will go in at a downward inclination and thus more securely hold the plate than would be the case if it were driven in horizontally. Of course, as shown, the sloping upper portion 4 of the plate comprises the top of the wall attached portion 1 of the device.

Formed integral with the plate 3 and extending laterally from each side edge thereof is a wing 6. These wings are preferably of a height substantially equal to the obliquely disposed or sloping portion 4 of the plate 3. It will thus be seen that the unit 1 is substantially T-shaped and the lateral wings 6 thereof, being extensions of the outpressed upper portion of the plate 3 stand away from the surface of the wall to which the plate is secured, so that portions of the unit 2, which is about to be described, may be extended between the same and the wall in the manner illustrated. As shown the lower portion of the plate is also apertured to receive a securing nail 7 or other suitable device.

The unit 2 comprises a vertically disposed top plate portion 8 through which apertures 9 are formed for the extension of holding ele-

ments such as are indicated by the numeral 11, into the back of a frame, a portion of which is indicated by the numeral 12. This plate 8 has an integral horizontally disposed flange portion 13 which extends away from the frame 12 and formed integral with the outer edge of this flange are the depending wing plates 14. These plates are spaced apart as shown in Figures 1 and 2 and the area therebetween is at a point substantially midway between the ends of the plate 8 and is of a width to receive the plate 3 of the wall attached unit 1, the units being connected by extending the wing plates 14 of the frame attached unit 2 downwardly between the wings 6 and the wall upon which they are mounted, as illustrated in Figures 1 and 2.

In order to form a snug connection between the two units of the device the plates 14 have their adjacent edges provided with inturned flanges 15 which move across the inner surfaces of the wings 6 when the two units are connected together. In addition to these flanges 15 each of the plates has pressed inwardly therefrom the spring tongues 16 which engage the inner faces of the wings 6 and serve to prevent any looseness between the units.

In Figures 5 and 6 there is shown a slightly modified form of the invention as illustrated in Figures 1 to 4 inclusive.

In this form the wall attached unit which is here indicated generally by the numeral 17 comprises a relatively thick central portion or body 18 through which is formed obliquely a passage for the reception of a securing element 19 in such a manner that it will be driven into a supporting wall at a downward inclination when the device is applied, the same as described in connection with the preferred form of the invention. This central portion 18 of the unit 17 has formed integral therewith the laterally directed wings 20 which are of materially less thickness than the portion 18 so that when this portion is mounted upon a wall the wings will be spaced therefrom as illustrated in Figure 6. The outer ends of the wings 20 are provided with integral inturned prongs or spurs 21 which are of sufficient length to be driven into the wall surface when the central portion 18 has been secured thereto.

Associated with the unit 17 is a frame attached unit which is indicated generally by the numeral 22 and which consists of an upper plate portion 23 which at its lower edge has an outwardly extending flange 24 similar to the flange of the preferred form and formed integral with the outer edge of this flange 24 are the inner spaced depending wings 25 and the terminal depending wings 26 which are spaced from the wings 25 in the manner illustrated.

It will be readily seen from the foregoing that when the unit 22 of the modified form of

the hanger device is coupled with the unit 17 the wings 25 will pass on opposite sides of the central portion 18 of the wall attached unit between the wings 20 and the wall, and the prongs or spurs 21 will be received in the areas between the outer wings 26 and the adjacent wings 25. With this construction a single central attaching member for the unit 17 may be employed and the shifting or rocking of the unit 17 from said position is prevented by the spurs 21 at the ends of the wing portions 20 thereof.

From the foregoing it will be readily apparent that by the use of devices of the character embodying the present invention pictures, or other bodies which are hung up, may be hung in such a manner that although they may be readily removed and replaced as necessary, they will not move from proper position as pictures do when suspended by cords or wires in the usual manner.

Having thus described the invention, what is claimed is:—

1. A picture supporting device comprising a plate having a portion obliquely directed and apertured for the reception of a securing element, a laterally extending ear carried by said plate, a second unit comprising a plate, means for attaching said last plate to a body, a wing member carried by said last mentioned plate and disposed in an offset parallel plane thereto and adapted to engage between the first mentioned wing and a body by which it is supported, and resilient means for maintaining a tight connection between the said wing members.

2. A picture hanging device comprising a plate member adapted to be secured to a supporting body, a pair of wings carried by said plate and extending laterally from opposite sides thereof and disposed relative to the plate to stand away from the supporting body, a second plate adapted to be secured to a body, and a pair of wing members suspended from said second plate in offset parallel relation thereto, said second wing members being in spaced relation and adapted to be engaged between said first wings and the first mentioned supporting body.

3. A picture hanging device comprising a plate member adapted to be secured to a supporting body, a pair of wings carried by said plate and extending laterally from opposite sides thereof and disposed relative to the plate to stand away from the supporting body, a second plate adapted to be secured to a body, a pair of wing members suspended from said second plate in offset parallel relation thereto, said second wing members being in spaced relation and adapted to be engaged between said first wings and the first mentioned supporting body, and resilient fingers carried by each of said second mentioned wing members, arranged for engagement with the first mentioned wing members

when the two portions of the device are joined together.

from the plane of the last mentioned plate, said flat members being designed to position between said wings and the adjacent wall, and resilient elements forming an integral part of the flat members for frictional contact with the adjacent wings.

8. A hanger, comprising a wall attached portion consisting of a substantially T-shaped plate having a center portion and wing portions, the said wing portions being arranged to lie in a plane spaced from the plane occupied by the center portion, means for attaching the said center portion to a face of a supporting body, and an article attached portion comprising an elongated plate, a pair of spaced flat members disposed in a common plane and in a plane spaced from the plane of the last mentioned plate, said flat members being designed to position between said wings and the adjacent wall, and means extending longitudinally of one face of each of said flat members for engaging the opposed face of a wing member when the portions of the hanger are in operative relation.

In testimony whereof I hereunto affix my signature.

PETER L. KNIGHT.

4. A picture hanging device comprising a plate member adapted to be secured to a supporting body, a pair of wings carried by said plate and extending laterally from opposite sides thereof and disposed relative to the plate to stand away from the supporting body, a second plate adapted to be secured to a body, a pair of wing members suspended from said second plate in offset parallel relation thereto, said second wing members being in spaced relation and adapted to be engaged between said first wings and the first mentioned supporting body, laterally directed flanges formed along the adjacent edges of said second mentioned wing members and directed for contact with the first mentioned wing members, and a resilient finger carried by each of the second mentioned wing members for contact with the adjacent first mentioned wing members.

5. A supporting device of the character described, comprising a wall attaching unit comprising a central body having laterally directed wings of materially reduced thickness, means facilitating the attachment of said central body to a wall, spur elements carried by the wings at their outer ends for engagement in a wall, said wings being arranged to be spaced from the adjacent wall, and a second unit having a top plate, an outwardly extending flange along the lower edge of the top plate, and a plurality of depending wing members formed integral with the outer edge of said flange, said wing members being arranged in spaced relation and certain thereof being designed for extension between the first mentioned wing members and the adjacent wall.

6. A hanger, comprising a wall attached portion consisting of a substantially T-shaped plate having a center portion and wing portions, the area of the center portion lying between the wing portions being pressed to lie in a plane oblique to the plane of the wings and having an aperture for the extension of a fastener therethrough, and an article attached portion comprising two spaced flat portions connected together for attachment to an article and held in spaced relation to the article for frictional engagement between said wings and the adjacent wall.

7. A hanger, comprising a wall attached portion consisting of a substantially T-shaped plate having a center portion and wing portions, the said wing portions being arranged to lie in a plane spaced from the plane occupied by the center portion, means for attaching the said center portion to a face of a supporting body, and an article attached portion comprising an elongated plate, a pair of spaced flat members disposed in a common plane and in a plane spaced

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