April 3, 1951 U. S. LOGAN 2,547,222

HANGER BRACKET

Filed April 13, 1946

Fig. 1

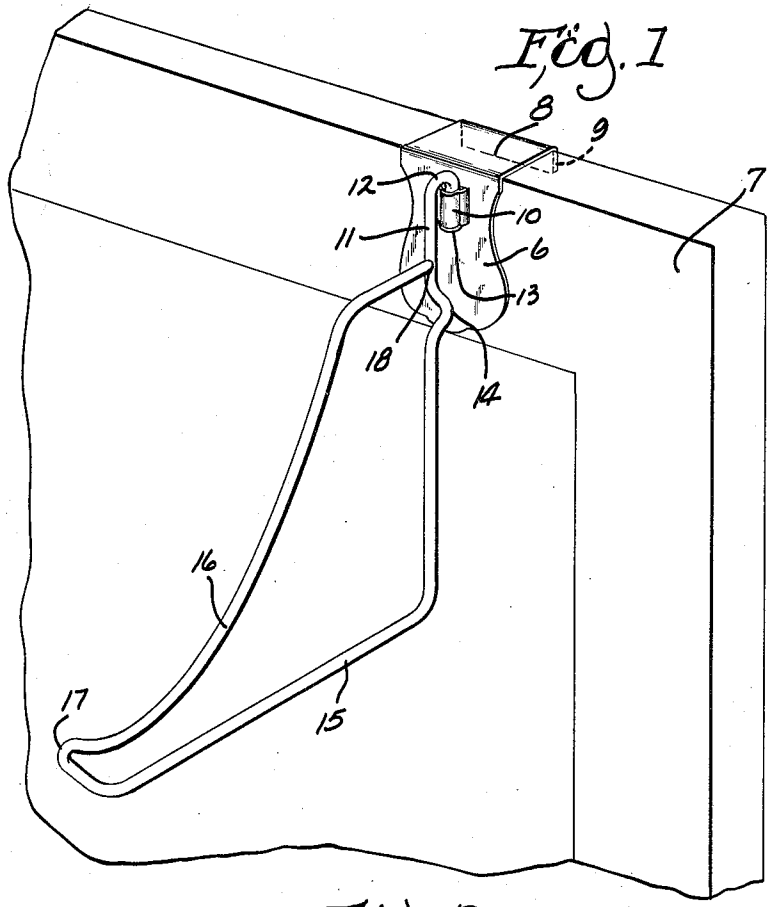



Fig. 2.

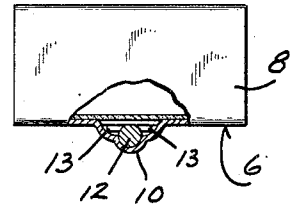



Fig. 3.

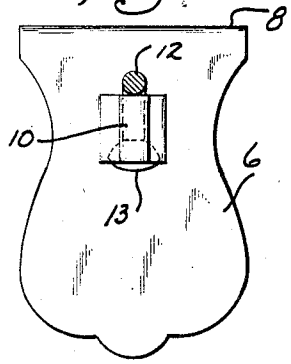
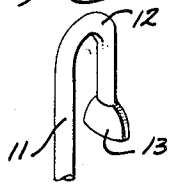



Fig. 5



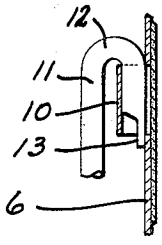




Fig. 4.

INVENTOR
ULYSSES S. LOGAN

BY Wheeler, Wheeler & Wheeler
ATTORNEYS

Patented Apr. 3, 1951

2,547,222

# UNITED STATES PATENT OFFICE

2,547,222

## HANGER BRACKET

Ulysses S. Logan, Shorewood, Wis.

Application April 13, 1946, Serial No. 661,978

3 Claims. (Cl. 248—224)

1

This invention relates to improvements in garment hanger supports of the type applicable to the top of a door or the like.

It is a primary object of the invention to provide a readily detachable assembly of a bracket and a mounting therefor, wherein the mounting provides an eye and the bracket has a hook engageable in the eye; the hook and eye having relatively non-circular contours in cross section whereby to resist displacement of the bracket angularly respecting the eye.

More specifically, it is an object of the invention to provide a simple and inexpensive device for the purposes stated, in which the bracket may conveniently be made from wire or rod formed to provide a hook portion swedged for effecting lateral increase in width for co-operation with an eye which has greater width laterally than its dimension from front to rear.

Other objects will appear more fully to those skilled in the art upon analysis of the following disclosure of the invention.

In the drawings:

Fig. 1 is a view in perspective, showing my improved device applied to the top of a door sash.

Fig. 2 is a view showing the mounting member in plan, partially broken away to a transverse horizontal section through the hook portion of the bracket.

Fig. 3 shows the mounting member in elevation, the hook portion of the bracket being illustrated in vertical transverse section.

Fig. 4 is a view showing the hook portion of the bracket fragmentarily in side elevation, the mounting member being shown in vertical section.

Fig. 5 is a view in perspective, fragmentarily illustrating the hook portion of the bracket as it appears separately.

The mounting member comprises a plate 6 adapted to rest against the face of the door sash 7 and provided with a horizontal extension at 8 and a downward flange 9 co-operating with the plate 6 to constitute a channel engageable over the top of the door sash. The mounting member is freely applicable to and removable from the door.

On the front face of the plate 6 is an eye 10 which, as clearly shown in Figure 2, is non-circular, having, adjacent the plate 6, a width which is greater in a direction laterally of plate 6 than the dimension of the eye from front to rear. The eye is preferably, although not necessarily, formed by stamping outwardly an integral portion of plate 6 to form an aperture in the plate behind the eye.

2

The bracket may conveniently be made from a single piece of heavy wire or rod having a vertical run at 11 bent downwardly upon itself at its upper end to provide the hook 12. The tip portion of the hook is swedged or flattened to make it non-concircular and to extend it laterally, as indicated at 13 (see Figs. 2 and 5), the widened portion of the hook being receivable axially into the eye 10 by reason of the laterally widened form of the eye. With the hook engaged in the eye in the manner shown in Figures 1 to 4, its laterally extended swedged side portions 13 tend to resist the angular rotation of the hook 12 respecting eye 10 and may completely prevent such rotation if so designed.

Below the hook 12 the vertical run 11 of the bracket has an elbow at 14 which may transmit excessive loads to the face plate 6 of the mounting member. Extending outwardly from the lower end of the vertical run 11 is a horizontal run 15 upon which coat hangers may be suspended. From the outer end of the run 15 integrally extends a bracing run 16 which may desirably be formed to provide a hook at 17 and which supports the outer end of the horizontal run 15 from the vertical run 11. The end 18 may be welded or otherwise secured to the vertical run.

The component parts of the device (the mounting member and the bracket) may be shipped knocked down, and may readily be assembled and disassembled without tools. In use, the non-circular laterally enlarged eye 10 and the contiguous face of the mounting plate 6, adjacent the outer surface of which such enlargement is most pronounced, interact with the non-circular laterally deformed portions of the wire hook 12, whereby the bracket is normally held in position for use.

When the eye 10 is formed by stamping the plate outwardly to form an aperture behind the eye, said aperture provides a space in which the swedged bracket hook portion 13 may laterally swing when the hook is partly inserted into the eye. Complete insertion brings the hook portion 13 into face contact with the plate margins adjacent the aperture to restrain lateral swinging of the bracket.

I claim:

1. In a device of the character described, the combination with a mounting member having a front face, and means providing an eye forwardly projecting from said face and wider in a lateral direction adjacent said face than its dimension from front to rear, of a bracket comprising a hooked rod having an integral tip portion of in-

creased width laterally as compared with its extent from front to rear, said portions being complementary to said eye and disposed therein with a portion of the tip in face contact with said front face, said bracket hook being detachable from said mounting eye.

2. As a new article of manufacture, a bracket adapted for use with a mounting eye having a greater dimension in one transverse direction than another, said bracket comprising a wire rod provided adjacent one end with a hook having a tip portion flattened and laterally increased in radius whereby to be receivable into said mounting eye, said flattened portion of the hook being shaped for face contact with the bracket and to extend beyond said mounting eye when the hook is in full engagement with said eye.

3. In a device of the character described, the combination with a mounting member having a front face, a portion of the front face being apertured and covered with an eye forwardly projecting from said face and wider in a lateral direction adjacent said face than its dimensions from front to rear, of a bracket comprising a rod having an integral tip portion of increased width laterally as compared with its extent from front to rear, said portion being complementary to said eye and disposed therein, said portion extending beyond the eye and engaged against the mounting member margin adjacent said aperture.



ULYSSES S. LOGAN.


REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

| Number | Name | Date |
|---|---|---|
| 354,903 | Hastings | Dec. 28, 1886 |
| 568,905 | Holmes | Oct. 6, 1896 |
| 725,678 | Cullum | Apr. 21, 1903 |
| 739,326 | Leonard | Sept. 22, 1903 |
| 1,493,235 | Besson | May 6, 1924 |
| 2,070,408 | Leidgen | Feb. 9, 1937 |
| 2,150,826 | Gill | Mar. 14, 1939 |
| 2,231,128 | Krantz | Feb. 11, 1941 |
| 2,447,128 | Logan | Aug. 17, 1948 |

FOREIGN PATENTS

| Number | Country | Date |
|---|---|---|
| 194,009 | Germany | Jan. 14, 1908 |