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C. E. HILDEBRAND

1,896,898

SUPPORTING DEVICE

Filed June 30, 1931

Fig. 1.

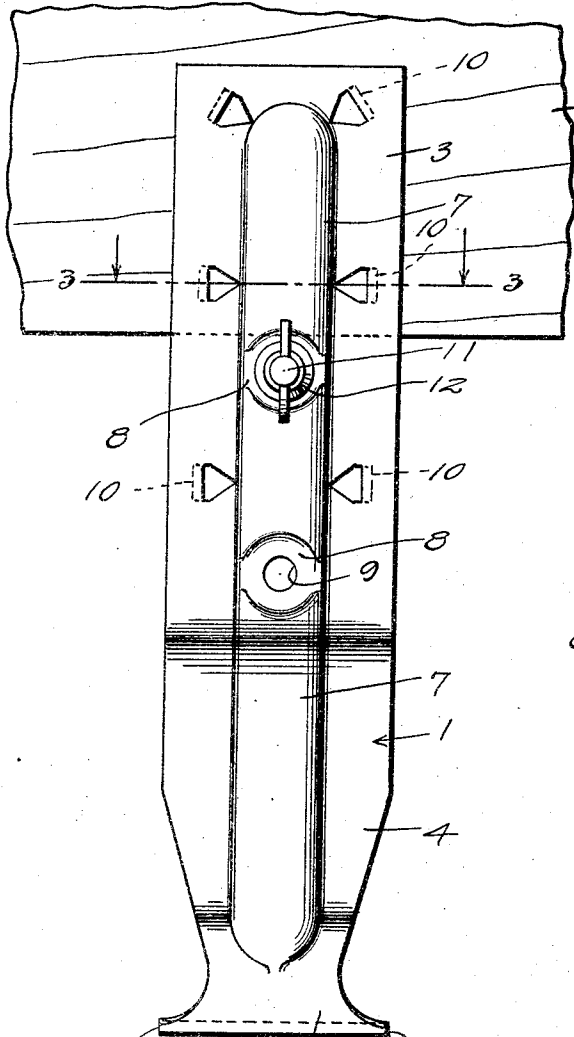


Fig. 2.

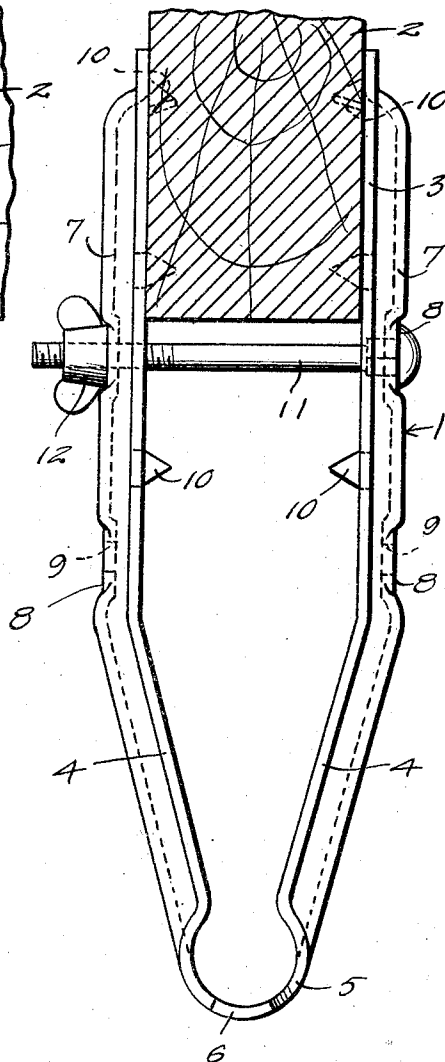
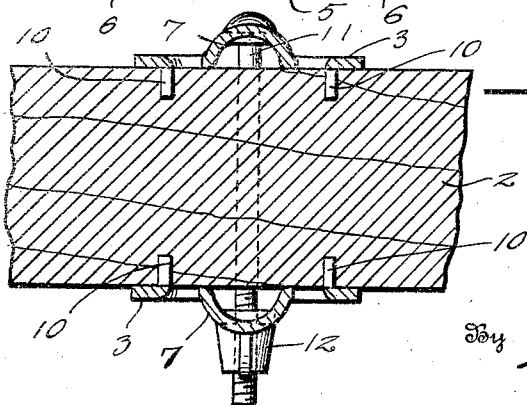


Fig. 3.



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SUPPORTING DEVICE

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This invention relates to improvements in body supporting devices, and pertains particularly to a device for the support of clothes lines or other similar bodies.

5 The primary object of the present invention is to provide a device for the support of lines or similar bodies, which may be easily and quickly secured to a carrying member such, for example, as an overhead joist in an attic or a cellar.

10 Another object of the invention is to provide a support of the above described character which will not slip from position or lose its grip upon the body to which it is attached.

15 A still further object of the invention is to provide a device of the character described which is of simple but strong and durable construction and of a character to be easily and economically constructed.

20 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.

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30 In the drawing:

35 Figure 1 is a view in front elevation of the device embodying the present invention shown applied to a supporting body.

40 Figure 2 is a view in side elevation of the device.

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

Referring more particularly to the drawing, wherein like numerals of reference indicate corresponding parts throughout the several views, the numeral 1 indicates generally the device embodying the present invention, the same being shown applied to a joist, a portion of which is shown and which is indicated by the numeral 2.

50 The device 1 consists of a single body of metal of a suitable and resilient character, which is substantially U-shaped in configuration. This body has the relatively long straight and parallel jaw portions 3 which merge with convergently related lower portions 4 which in turn are connected to and joined by a yoke portion 5 which is in the form of a split ring or collar. Each end of this ring or collar yoke portion 5 has an integral longitudinally extending lip 6, the side edges of which merge into the adjacent edges of the portions 4, as shown in Figure 1, these portions 4 having their edges cut inwardly, as shown, so that they are of materially less width at the point of connection with the portion 5 than at their upper ends.

55 The side portions or jaw plates 3 of the device are relatively broad, as shown, and each of these has a central longitudinally extending out-pressed rib 7 which extends from a point in close proximity to its free end, into the adjacent side of the circular yoke portion 5. At one or more points throughout its length and above the points of connection between the portions 4 and the jaws 3, the ribs 7 are flattened slightly, as indicated at 8, and have bolt openings 9 formed there-through.

60 Each of the plates 3 has cut therefrom and pressed inwardly, along each side of the rib 7, a series of spurs 10 which are in opposed relation, as shown in Figure 2.

65 In applying the present device to the joist 2, the lower edge of the joist is disposed between the jaws 3 and a bolt 11 is passed through a pair of transversely aligned apertures 9, beneath the joist, and the jaws are drawn tightly against the faces of the inter-

posed joist by a thumb nut 12 applied to the threaded end thereof.

The spurs 10 will thus be forced into the joist and the jaws thus prevented from slipping on the joist by a weight which may be applied to the yoke portion of the device.

From the foregoing it will be readily seen that by mounting a number of the described devices upon a joist, a line may be run through the circular yoke portions 5 and thus suspended by the devices.

While the present device has been described as having been designed particularly for the support of clothes lines, it will, of course, be understood that it may be employed for supporting other bodies such, for example, as pipes or bars.

Having thus described the invention, what is claimed is:

- 29 1. A device of the character described, comprising a body of elongated substantially U-shaped design, each of the side portions of the body being relatively broad and substantially straight throughout the major portion of their lengths and merging into converging portions at their inner ends, said converging portions being joined at their adjacent ends by a circular yoke portion, a reinforcing rib extending longitudinally throughout the side members of the body upon their outer faces, said reinforcing ribs having transversely aligned apertures therethrough, spur elements struck from each of said side portions at each side of the rib thereof and projecting inwardly toward the opposite portion, and means connecting said side portions and passing through said apertures, for drawing the side portions together into gripping relation with a body interposed therebetween.
- 40 2. A hanger device of the character described comprising a body of elongated substantially U-shaped design formed of a relatively broad initially flat material, each of the side portions of the body being substantially straight throughout the major portion of its length and merging into converging portions at their inner ends, the said converging portions being joined at their convergent ends by a substantially semi-circular yoke, a rib pressed outwardly from the said straight portions and the said converging portions throughout the lengths of the same, the said ribs terminating against the side of the said substantially circular yoke, the yoke being of unbroken surface contour throughout from one side to the other, spur members struck inwardly from the material of the said straight portions of the hanger and upon opposite sides of the said out-pressed rib, said ribs having flattened areas in the outer side thereof within the limits of the said straight portions and further having apertures through said flattened areas, and a wing nut carrying bolt extended through a pair of transversely aligned apertures to connect the

said straight portions, the head of the bolt resting upon one flattened area and the wing nut thereon bearing against a flattened area of the opposite side portion of the body.

In testimony whereof I hereunto affix my signature.

CARL E. HILDEBRAND.

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