July 25, 1967 R. H. JUDGE 3,332,650

BRACKET FOR HOLDING DOWN SPOUTS

Filed Aug. 10, 1965

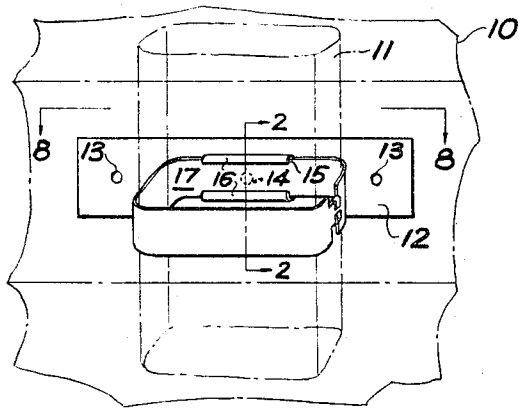


FIG. 1

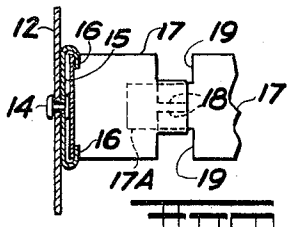


FIG. 2

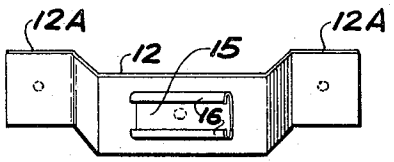


FIG. 3

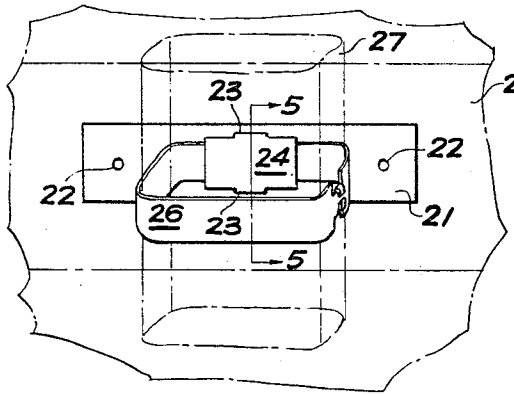


FIG. 4

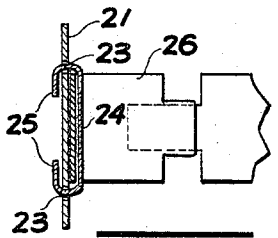


FIG. 5

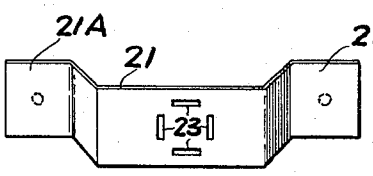


FIG. 6

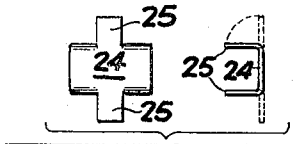


FIG. 7

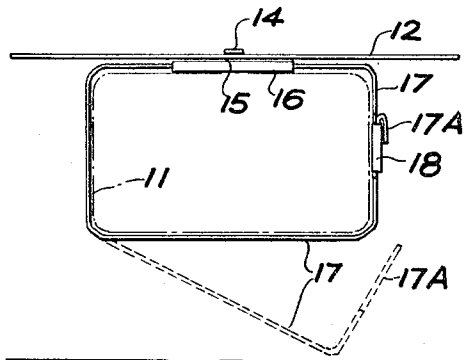


FIG. 8

INVENTOR.
Raymond H. Judge
BY
W. B. Harpman
ATTORNEY.

United States Patent Office 3,332,650 Patented July 25, 1967

3,332,650

BRACKET FOR HOLDING DOWN SPOUTS

Raymond H. Judge, 454 N. Lincoln Ave.,
Salem, Ohio 44460

Filed Aug. 10, 1965, Ser. No. 478,638
2 Claims. (Cl. 248—74)

ABSTRACT OF THE DISCLOSURE

A bracket for holding a down spout consisting of an apertured base plate, a body member having bendable tabs engaged in said apertures and a metal band for encircling said down spout held by said body member.

The principal object of the invention is the provision of an adjustable bracket for holding down spouts that may be quickly and easily applied to the down spouts and the supporting wall.

A further object of the invention is the provision of a bracket for holding down spouts including means permitting the one portion of the bracket to be offset with respect to the other.

A still further object of the invention is the provision of a bracket for holding down spouts arranged so that one portion of the bracket may be used horizontally or vertically, while the other portion remains horizontal and positioned around and about the down spout being held.

A still further object of the invention is the provision of a bracket for holding down spouts which may be inexpensively constructed from sheet metal easily assembled on the job and applied to a building wall, for example, to hold a down spout relative thereto.

The bracket for holding down spouts disclosed herein comprises an improvement in the art relating to such devices. Primarily, the roofing and spouting industry relies on the formation of a horizontal mounting bracket from an end portion of the down spout itself as occasioned by cutting a portion of the down spout adjacent the end thereof and flattening the cut portion, so that it lies adjacent the wall to which it is to be secured. This expedient works reasonably well, until it is necessary to move or adjust the down spout whereupon the bracket usually tears away and is no longer usable. Various other proposals for mounting down spouts on building walls have been made and most of them have involved rather expensive, difficult constructions, both with respect to manufacture and installation.

The present invention relates to an improved bracket for holding a down spout which is very simple, can be made inexpensively, assembled and applied on the job quickly and easily.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being the intention to cover all changes and modifications of the example of the invention herein chosen for purposes of the disclosure, which do not constitute departures from the spirit and scope of the invention.

The invention is illustrated in the accompanying drawing wherein:

FIGURE 1 is a perspective view of a portion of a wall showing the down spout mounting bracket thereon, broken lines indicating the position of the down spout in the bracket.

FIGURE 2 is an enlarged vertical section on line 2—2 of FIGURE 1.

FIGURE 3 is a perspective view showing a modification in the base portion of the down spout mounting bracket.

FIGURE 4 is a perspective view showing a modified form of the bracket for holding down spouts; broken lines show the down spout therein.

FIGURE 5 is an enlarged vertical section on line 5—5 of FIGURE 4.

FIGURE 6 is a perspective view of a modified mounting bracket portion of the bracket seen in FIGURE 4.

FIGURE 7 is a composite view showing a plan and side view of a cross-shaped metal clip used with the modification illustrated in FIGURES 4, 5 and 6.

FIGURE 8 is a horizontal section on line 8—8 of FIGURE 1.

By referring to the drawings, FIGURE 1 in particular, it will be seen that a portion of an exterior wall **10** is disclosed and that broken lines indicate a portion of a down spout **11**, which is secured to the wall **10** by means of a bracket. The bracket comprises a base plate **12** apertured at either end for the reception of fasteners **13** by which it is mounted to the wall **10** and having a central rivet **14** pivotly mounting a flanged body member **15** as best seen in FIGURE 2 of the drawings. The flanged body member **15** has oppositely disposed longitudinally extending flanges **16** on its upper and lower edges. The flanges **16** extending toward one another sufficiently to engage the upper and lower portions of a metal band **17** which is movably positioned relative to the body member **15** and the oppositely disposed flanges **16** and held thereby. The metal band **17** is of a length sufficient to encircle the down spout **11** and one end of the band **17** has transversely spaced notches which permit the end portions to be turned inwardly toward one another. These inturned end portions are shown in dotted lines in FIGURE 2 of the drawings and indicated by the numeral **18**. They are particularly useful when they are engaged in cutaway areas **19** in the upper and lower sides of the other end of the band **17** as also best illustrated in FIGURE 2 of the drawings. The opposite ends of the band **17** thus have self-fastening configurations which enable the band to be positioned about the section of down spout **11** and clamped thereon by such self-fastening configurations, while the band itself is held in the body member **15** by the oppositely disposed flanges **16**. The body member **15** being pivotly mounted by the rivet **14** to the base member **12** renders the entire device quite flexible and capable of desirable location on the wall **10** and with respect to the necessity of engaging the fasteners **13** therein as will occur to those skilled in the art.

Modifications of the constructions just illustrated will occur to those skilled in the art and one such modification is the formation of the base member **12** with offset end portions as illustrated in FIGURE 3 of the drawings. In FIGURE 3 the base member **12** is shown with offset end portions **12***a* and the body member **15** pivoted thereto in the same manner as in FIGURES 1 and 2 of the drawings heretofore described. The arrangement permits the spacing of the down spout relative to the wall **10**.

Other modifications will occur to those skilled in the art and one such desirable modification is illustrated in FIGURES 4 and 5 wherein a wall **20** is shown with a base member **21** secured thereto by fasteners **22**. The base member **21** has four slots therein, two of which are spaced transversely of the base member **21** and two of which are spaced longitudinally thereof as best seen in FIGURE 6 of the drawings. In FIGURES 4 and 5 of the drawings the upper and lower or transversely spaced slots are indicated by the numeral **23**. A cross shaped metal clip **24** is arranged with two of its end portions bent at right angles and engaged in a pair of the slots **23** as best shown in FIGURE 5 where the end portions indicated at **25** are inturned so as to mount the cross shaped clip **24** to the base member **21** and provide space therebetween

for the down spout mounting band **26** which is formed exactly as the down spout mounting band **17** heretofore described in connection with FIGURES 1 and 2 of the drawings. The band **26** has the same end configurations enabling self-fastening when it is positioned about the down spout which is shown in broken lines in FIGURE 4 and indicated by the numeral **27**. It will thus be seen that as illustrated in FIGURES 4 and 5 the base member **21** is horizontal, and it will be observed that by reason of the extra pair of slots **23** the metal clip **24** can be positioned so that passageway for the band **26** is vertically disposed rather than horizontally whereupon the fasteners **22** and the ends of the base member **21** may be positioned behind the down spout **27** or in vertical position relative to the horizontally disposed metal band **26** which encircles the down spout **27**.

Modifications of this construction will occur to those skilled in the art and offsetting the end portions of the base member **21** may be easily performed to space the device with respect to a supporting surface. A perspective view in FIGURE 6 illustrates this with the offset end portions indicated by the numerals **21***a*. In FIGURE 7 of the drawings a plan view shows the cross-shaped metal clip **24** and an end view thereof shows the same clip **24** with its upper and lower flanges **25** bent at right angles to the body portions of **24**. These are then positioned through the slots **23** and bent inwardly toward one another as heretofore described and seen, as for example, in FIGURE 5 of the drawings. In FIGURE 8 of the drawings a top plan view of the preferred form of the invention as seen in FIGURE 1 of the drawings may be seen and it will be observed that the band **17** is shown positioned through the area of the body member **15** defined by the upper and lower longitudinally extending flanges **16** thereon and then positioned about the down spout **11** with the self-fastening configurations **17**, **18** and **19** shown in fastened arrangements. The portions **18** are turned inwardly to form upper and lower flanges engaged on the tongue like end portion of the band **17** which is indicated by the numeral **17A** in FIGURE 8 and the same is bent

backwardly upon itself as seen in the solid lines in FIGURE 8 of the drawings. Thus the bracket for holding down spouts is adaptable to any size and shape or diameter or exterior configuration of down spout and may be tailored on the spot by the workman using tin snips or the like to properly position the end configurations of the band **17** relative to the actual size of the down spout being mounted. The bracket for holding down spouts will thus be seen to be simple in construction, easy to mount, capable of being removed and replaced when desired and will therefore be seen to meet several objects of the invention.

Having thus described my invention, what I claim is:

1. A bracket for holding down spouts consisting of an apertured base plate, a body member having bendable tabs for engaging said apertures, and secured to said base plate thereby, a down spout encircling band having fastening configurations on its opposite ends, said body member arranged to engage a portion of said down spout encircling band so as to secure said band to said base plate.

2. The bracket for holding down spouts as set forth in claim **1** and wherein said body member is rectangular and said bendable tabs are positioned at right angles to said body member.

References Cited

UNITED STATES PATENTS

441,428	11/1890	Mahin	248—74
1,159,821	11/1915	Barger	248—315
2,459,307	1/1949	Churchill	248—74
2,634,940	4/1953	Karty et al.	248—231

FOREIGN PATENTS

225,114	11/1924	Great Britain.

ROY D. FRAZIER, *Primary Examiner.*

CLAUDE A. LE ROY, *Examiner.*

J. F. FOSS, *Assistant Examiner.*