March 1, 1955 M. WEISS 2,703,215

LADDER BRACKET

Filed April 13, 1953

Fig. 1

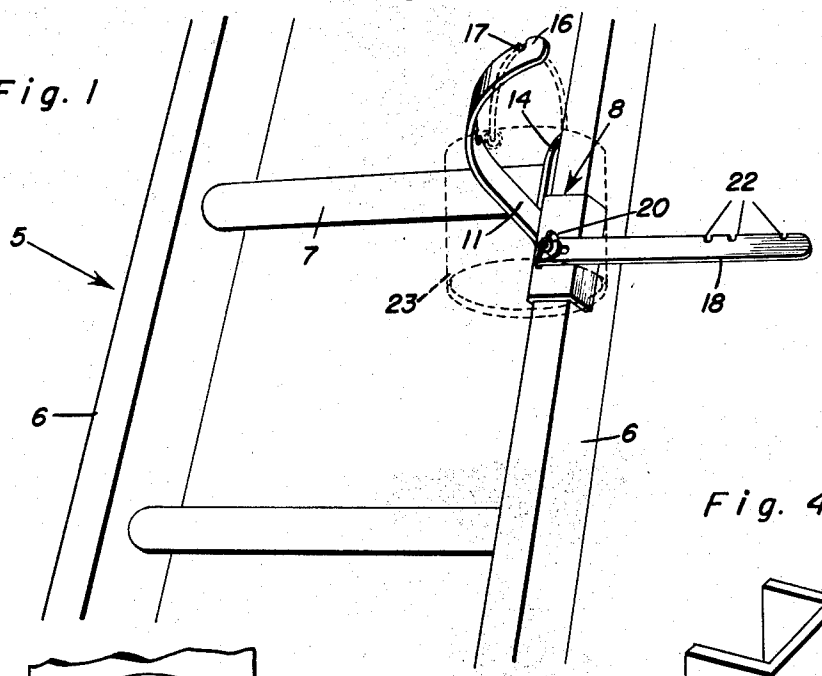
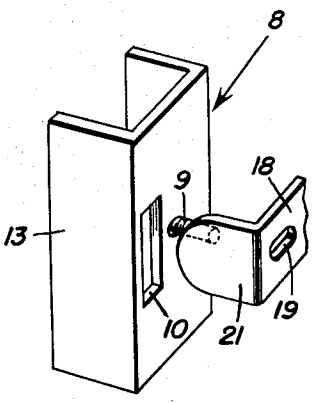


Fig. 4



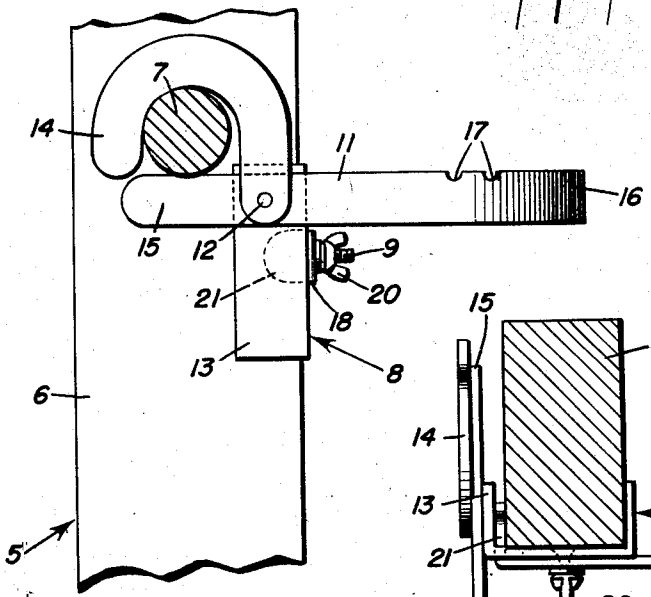


Fig. 2

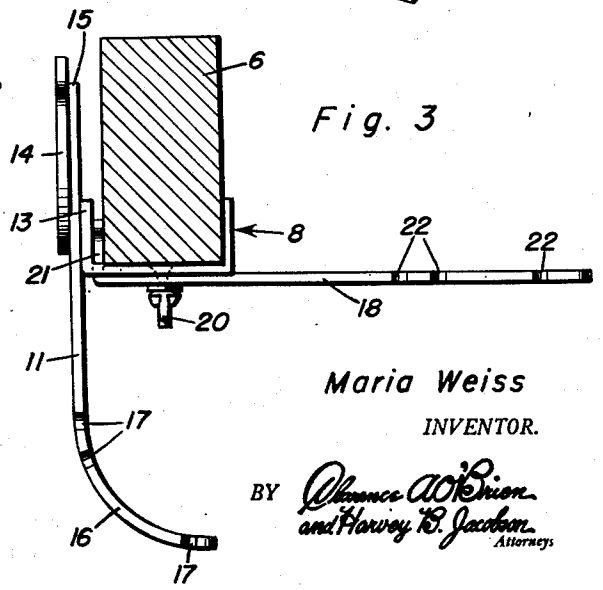


Fig. 3

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United States Patent Office 2,703,215 Patented Mar. 1, 1955

2,703,215

LADDER BRACKET

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Application April 13, 1953, Serial No. 348,374

3 Claims. (Cl. 248—210)

The present invention relates to new and useful improvements in ladder brackets for supporting paint, brush, etc., buckets on ladders and has for one of its important objects to provide, in a manner as hereinafter set forth, a device of this character comprising a novel construction and arrangement whereby the weight of the bucket is utilized for firmly securing the bracket in position on the ladder.

Another very important object of the invention is to provide a bracket of the aforementioned character which is adapted to support a plurality of buckets on a ladder.

Other objects of the invention are to provide a ladder bracket of the character set forth which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, compact, light in weight and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a perspective view, showing a bracket embodying the present invention in position on a ladder;

Figure 2 is a vertical sectional view through a portion of the ladder, showing the bracket in side elevation;

Figure 3 is a top plan view of the bracket, showing the ladder rail or stile on which it is mounted in horizontal section; and

Figure 4 is a perspective view of the channel bar and one of the arms, showing the parts separated.

Referring now to the drawing in detail, it will be seen that reference character **5** designates generally an intermediate portion of a conventional straight ladder, said ladder including the usual stiles or side rails **6** between which the rungs **7** extend. The embodiment of the present invention which has been illustrated comprises a base in the form of a channel bar **8** of suitable metal which is adapted to be mounted on one of the ladder rails **6** in the manner shown to advantage in Figure 3 of the drawing. It is to be noted that the channel bar **8** is wider than the rail **6**. Projecting from an intermediate portion of the channel bar **8** is a threaded stud **9**. Adjacent the stud **9**, the channel bar **8** has formed in one side portion thereof an opening **10**.

A metallic bucket-supporting arm **11** has one end pivotally secured at **12** on the inner flange or leg **13** of the channel bar **8** for swinging movement in a vertical plane. Also mounted on the pivot **12** is a hook **14** which is engageable over one of the rungs **7** of the ladder **5**. Formed integrally with the pivoted inner end of the arm **11** is a jaw **15** which is engageable under the rung **7** for clamping the hook **14** in engagement therewith. The arm **11** terminates in an outwardly laterally curved free end portion **16** having spaced notches **17** therein for the reception of the bucket bail.

Also mounted on the base or channel bar **8** is a lateral bucket-supporting arm **18**. The arm **18** extends transversely across the bight portion of the channel bar **8** and has formed therein a longitudinal slot **19** which accommodates the stud **9**. A wing nut **20** is threaded on the stud **9** for securing the arm **18** in adjusted position on the channel bar **8**. The arm **18** terminates in a right angularly bent inner end portion **21** which extends through the opening **10** into the channel bar **8** for engagement with the inner face of the

ladder rail **6** on which the bracket is mounted. In its outer end portion, the arm **18** is provided with spaced notches **22** for the reception of a bucket bail.

It is thought that the manner in which the device is used will be readily apparent from a consideration of the foregoing. Briefly, the channel bar **8** is mounted astraddle the ladder rail **6** and hook **14** is engaged over an adjacent rung **7** of the ladder. The arm **11** swings downwardly by gravity in a manner to engage the jaw **15** beneath the rung **7**. When a bucket is suspended on the arm **11**, the ladder rung **7** will be firmly clamped between the hook **14** and the jaw **15**. By loosening the wing nut **20**, the arm **18** with its angularly projecting end portion **21** may be adjusted to accommodate ladder rails of different widths. By again tightening the wing nut **20**, the channel bar **8** will be secured in position on the ladder rail **6**. As hereinbefore stated, the bucket may be mounted on the arm **18** by engaging the bail of said bucket in the desired notch **22**. Of course, other articles or devices may, if desired, be suspended on the arms **11** and **18**. In Figure 1 of the drawing, a paint bucket on the arm **11** is indicated at **23**.

It is believed that the many advantages of a ladder bracket constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as ilustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A ladder bracket comprising a base for mounting on a ladder rail, a bucket-supporting arm pivotally mounted for vertical swinging movement on the base, means on the pivoted end of the arm for connecting same to a rung of the ladder, and means for securing the base in position on the rail, said base having an opening therein, the last named means including a stud projecting from the base, a bucket-supporting arm mounted for sliding adjustment on the base and having a slot therein accommodating the stud, the second named arm including an angularly bent end portion extending through the opening and cooperable with a portion of the base for clamping the ladder rail therebetween, and a nut threaded on the stud and engaged with the second named arm for securing the same in adjusted position.

2. A ladder bracket comprising a channel bar adapted to straddle a ladder rail, said channel bar having an opening in its bight portion, a stud fixed on said bight portion of said channel bar, a lateral bucket-supporting arm mounted for transverse sliding adjustment on said bight portion of the channel bar and having a longitudinal slot therein accommodating the stud, said arm including an angularly bent end portion extending through the opening into the channel bar and engageable with the rail for securing said channel bar in position thereon, and means for securing the channel bar to a rung of the ladder.

3. A ladder bracket comprising a channel bar adapted to straddle a ladder rail, said channel bar having an opening in its bight portion, a stud fixed on said bight portion of said channel bar, a lateral bucket-supporting arm mounted for transverse sliding adjustment on said bight portion of the channel bar and having a longitudinal slot therein accommodating the stud, said arm including an angularly bent end portion extending through the opening into the channel bar and engageable with the rail for securing said channel bar in position thereon, and means for securing the channel bar to a rung of the ladder, said means including a bucket-supporting arm pivotally mounted for swinging movement in a vertical plane on the channel bar, a hook pivotally mounted on the pivoted end of the second named arm and engageable over the rung, and a jaw integral with said pivoted end of said second named arm engageable under the rung and cooperable with the hook for clamping said rung therebetween.

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