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BUCKET SUPPORT

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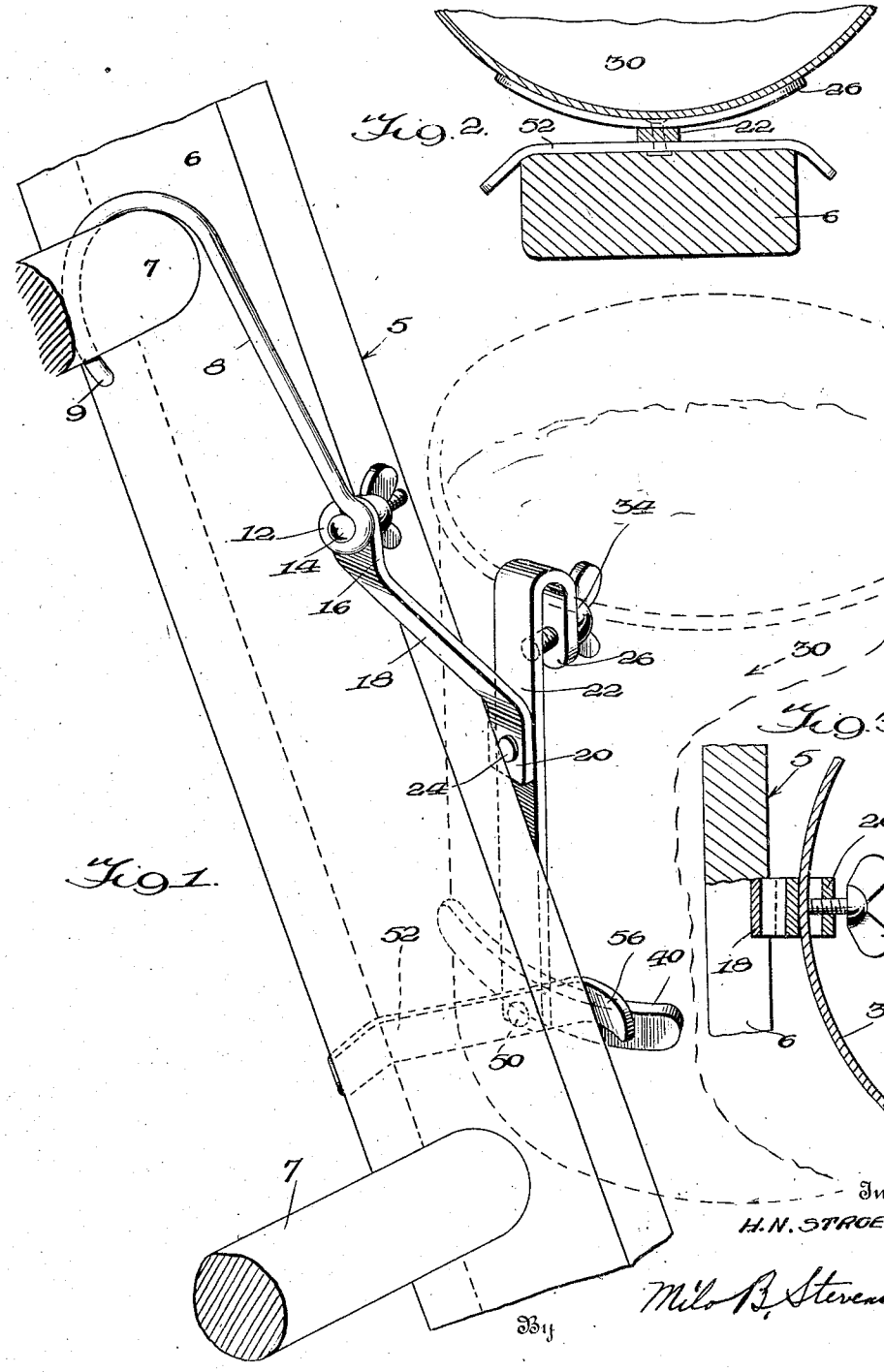

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BUCKET SUPPORT.

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This invention relates to bucket supports especially adapted for use on ladders.

Briefly stated, an important object of this invention is to provide a bucket support capable of use in connection with buckets of various sizes and which may be conveniently adjusted to provide for the inclination of the ladder.

A further aim of the invention is to provide a bucket support which is of highly simplified construction, durable in use, and cheap to manufacture.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this application and in which like numerals are employed to designate like parts throughout the same.

Figure 1 is a perspective of the improved bucket support applied;

Fig. 2 is a horizontal sectional view through the lower portion of the improved bucket support in use;

Fig. 3 is a detail sectional view through the upper portion of the improved bucket support.

In the drawing, wherein for the purpose of illustration is shown a preferred embodiment of the invention the numeral 5 designates a ladder having the usual sides 6 and rungs 7.

The improved bucket support comprises a hook 8 the upper portion of which is provided with a bill 9 to extend over and engage one of the rungs 7 of the ladder. The hook 8 extends in substantially parallel relation to the side 6 of the ladder and is provided at its lower end with an eye 12 through which a connecting bolt or pivot bolt 14 is extended.

The pivot bolt 14 is also extended through the angularly projecting apertured ear 16 at the upper portion of a link 18. The link 18 is adapted to extend diagonally across the side 6 of the ladder and has its lower portion extended angularly as indicated at 20 and secured to a flat metallic arm 22 by a rivet 24 or other suitable fastening device.

Fig. 1 plainly illustrates that the angularly directed lower end portion of the diagonally extended link 18 is connected to the intermediate portion of the flat arm 22 which incidentally is formed from flat strap iron or the like.

The upper portion of the arm 22 is provided with a return bend defining a bill 26 adapted to extend over and engage the upper edge of a bucket 30. The bill 26 is provided with a wing nut 34 adapted to tightly engage the pail and urge the same into firm engagement with the strap 22. This securely and positively connects the bucket to the arm 22 and maintains the bucket in a vertical position regardless of the particular inclination of the ladder.

The lower portion of the arm 22 is provided with an arcuate member 40 adapted to flatly contact with the adjacent portion of the bucket so as to cooperate with the wing nut 34 in holding the bucket firmly in place. That is to say, the transversely curved strap 40 prevents the bucket from turning either axially or otherwise.

Figs. 1 and 2 plainly illustrate that the intermediate portion of the strap 40 is secured to the lower portion of the arm 22 by a rivet 50 or other suitable fastening device and this same rivet is employed to pivotally connect a second strap 52 to the lower portion of the arm.

In carrying out the invention the intermediate portion of the strap 52 is secured to the arm 22 by the pivot member 50 and the ends of the strap 52 are extended angularly as indicated at 56 to extend about and embrace the edges of the side of the ladder whereby to hold the device in place.

With reference to the foregoing description taken in connection with the accompanying drawing it will be apparent that a bucket support constructed in accordance with this invention may be conveniently applied to the ladder and may be quickly adjusted for vertically positioning the bucket regardless of the inclination of the ladder.

Having thus described the invention, what is claimed is:

1. A bucket support for ladders comprising a hook having a single bill adapted for engagement with one of the rungs of a ladder on the inside of a side piece, a flat bar link having its upper portion provided with an apertured ear, means extending through said apertured ear and the lower portion of said hook to connect the same, said link being angled to extend across the edge portion of one of the sides of a ladder, an arm connected intermediate the ends thereof to the lower portion of said link, the upper portion of said arm being provided with a bill to extend over and engage the upper side of a bucket, a wing nut carried by the

upper portion of said arm to engage the bucket, a strap connected to the lower portion of said arm and being of arcuate formation to flatly engage the lower portion of the bucket, and a second strap connected to the lower portion of said arm and adapted for engaging the side of a ladder, the end portions of said second-named strap being extended angularly to hold the second-named strap against movement with respect to the ladder.

2. A bucket support for ladders comprising a hook having a single bill adapted for engagement with one of the rungs of a ladder on the inside of a side piece, a flat bar link having its upper portion provided with an apertured ear, means extending through said apertured ear and the lower portion of said hook to connect the same, said link being angled to extend across the edge portion of one of the sides of a ladder, an arm connected intermediate the ends thereof to the lower portion of said link, the upper portion of said arm being provided with a bill to extend over and engage the upper side of a bucket, a wing nut carried by the upper portion of said arm to engage the bucket, a strap connected to the lower portion of said arm and being of arcuate formation to flatly engage the lower portion of the bucket, a second strap connected to the lower portion of said arm and adapted for engaging the side of a ladder, the end portions of said second-named strap being extended angularly to hold the second-named strap against movement with respect to the ladder, and a combined pivot and connecting member extending through the lower portion of said arm and the intermediate portions of said first and second named straps.

3. A bucket support for use on ladders comprising a single hook having its lower portion formed with an eye, a link formed from a single length of strap iron having its upper portion formed with an apertured ear arranged adjacent said eye, a pivot bolt extending through said eye and said ear and having means whereby to hold said link in a set position with respect to said hook, said link being angled to extend obliquely across one of the sides of a ladder, an arm connected intermediate the ends thereof to said link at the lower portion of the link, means carried by the upper end of said arm to securely engage a bucket, and straps pivotally connected intermediate the ends thereof to the lower portion of said arm, one of the straps being adapted to engage the adjacent portion of a bucket and the other strap being adapted to engage and embrace the adjacent portion of one of the sides of a ladder, said straps being movable independently of each other.

4. A bucket support comprising a hook, a flat link pivotally and adjustably connected to the hook and angled to extend obliquely across one of the sides of a ladder, and an arm connected intermediate the ends thereof to the lower portion of the link and having bucket and ladder engaging means.

In testimony whereof I affix my signature.

HENRY N. STROECKER.