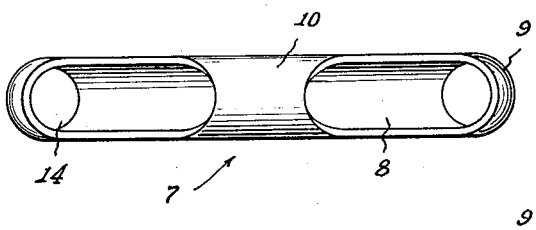
June 7, 1932. G. W. GASCOIN 1,862,478

ROPE SAVING SLING THIMBLE

Filed April 1, 1931

Fig. 1.

Fig. 2.



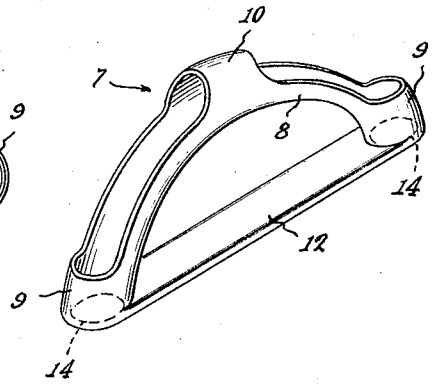


Fig. 3.

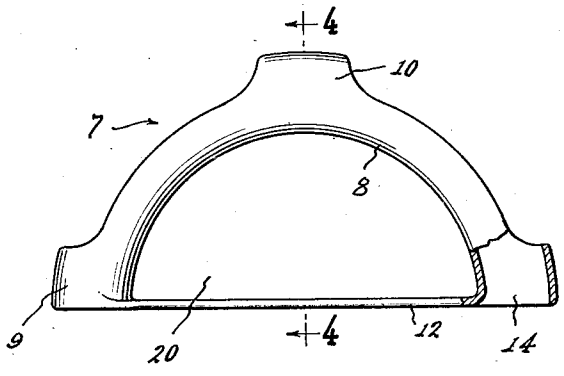
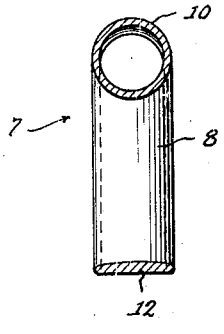


Fig. 4.



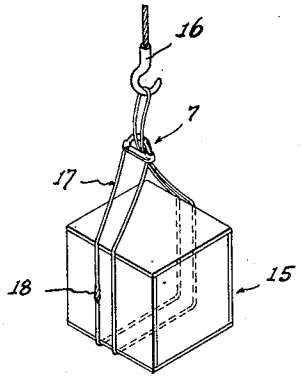


Fig. 5.

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UNITED STATES PATENT OFFICE

GEORGE W. GASCOIN, OF JERSEY CITY, NEW JERSEY

ROPE-SAVING SLING THIMBLE

Application filed April 1, 1931. Serial No. 526,998.

This invention relates to sling thimbles for use with slings made of flexible wire rope or manila rope, particularly the latter.

An object of the invention is the provision of a rope thimble which will prevent the rope from being worn at a single point and which may be moved relative to the rope so that the latter will be worn at different sections.

A further object of the invention is the provision of a thimble adapted to prevent the sling from becoming disengaged therefrom.

A still further object of the invention is the provision of a thimble capable of withstanding great strains.

The invention will be fully and comprehensively understood from a consideration of the following detailed description when read in connection with the accompanying drawing which forms part of the application, with the understanding, however, that the improvement is capable of extended application and is not confined to the exact showing of the drawing nor to the precise construction described and, therefore, such changes and modifications may be made therefrom as do not affect the spirit of the invention nor exceed the scope thereof as expressed in the appended claim.

In the drawing:

Fig. 1 is a perspective view of the thimble of my invention.

Fig. 2 is a plan view of the thimble shown in Fig. 1.

Fig. 3 is an elevational view of the same, partly in section.

Fig. 4 is a section taken on line 4—4 of Fig. 3; and

Fig. 5 is a perspective view showing the thimble in use.

Referring to the drawing for a more detailed description thereof, the numeral 7 indicates the thimble which comprises an arcuate rope-receiving member 8 having a form of a channel. The ends of the member or channel 8 are provided with tubular portions 9, and a similar tubular portion 10 is provided at the center of the arcuate member 8. The tubular portions 9 and 10 are provided for the purpose of retaining a rope or a sling in the arcuate channel. If desired the thimble need not be cut away as shown in Fig. 1 to form the tubular portions 9 and 10, and may be thereby simply an arcuate tube. By being cut away however as shown in Fig. 1 space is provided for fingering the rope so as to move it relative to the thimble for the purpose above mentioned.

A bridge 12 is secured to the ends of the arcuate member 8 to strengthen the thimble, and the bridge 12 is provided with apertures 14 communicating with the interior of the tubular portions 9 so that a rope or sling may be passed therethrough. It will of course be understood that the bridge 12 may be integral with the arcuate member 8.

Referring now to Fig. 5, when a package 15 is to be lifted by a crane hook 16 depending from a lighter or other vessel, a sling 17 having a double bight is thrown around the package, engages the thimble and the hook 16. The sling 17 is an endless length of rope spliced together at 18. Before being spliced this sling is run through the ends of the bridge 12 and the arcuate member 8, the latter, as described, comprising, alternately, tubular portions and channel portions. It will be noted from Fig. 5 that the loop which engages the hook 16 is passed through the space 20 of the thimble between the bridge 12 and the arcuate member 8. From the foregoing it will be appreciated that the objects of the invention are attained by the use of the structure described.

What is claimed as new is:

A sling thimble comprising an arcuate tubular member cut away on the upper side between the center and extremities to provide a rope seat bridged at the center and at the extremities by the unremoved portion, said member being formed on a constant radius and having an integral straight bridge piece connecting its extremities.

In testimony whereof I hereby affix my signature.

GEORGE W. GASCOIN.