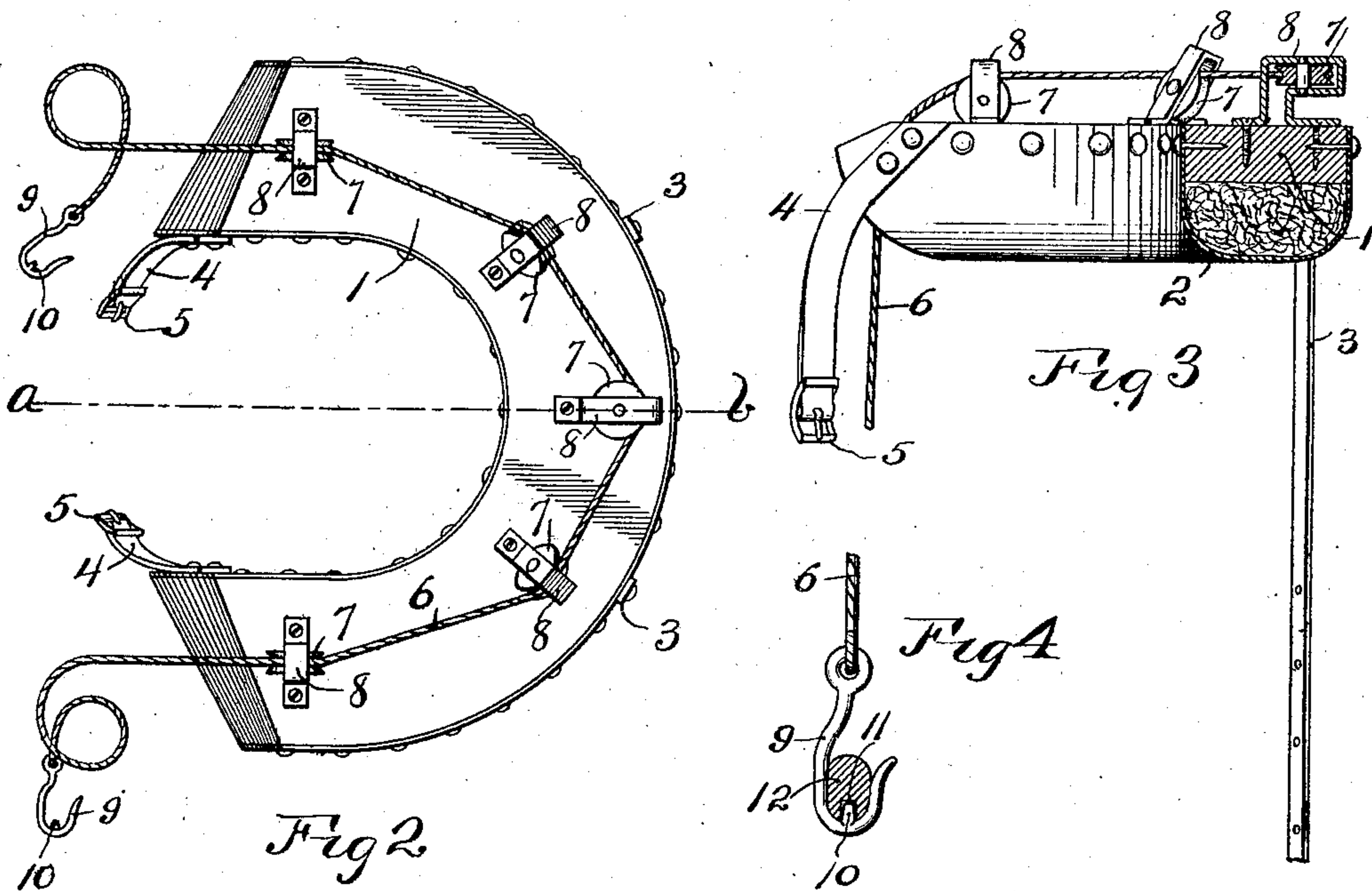
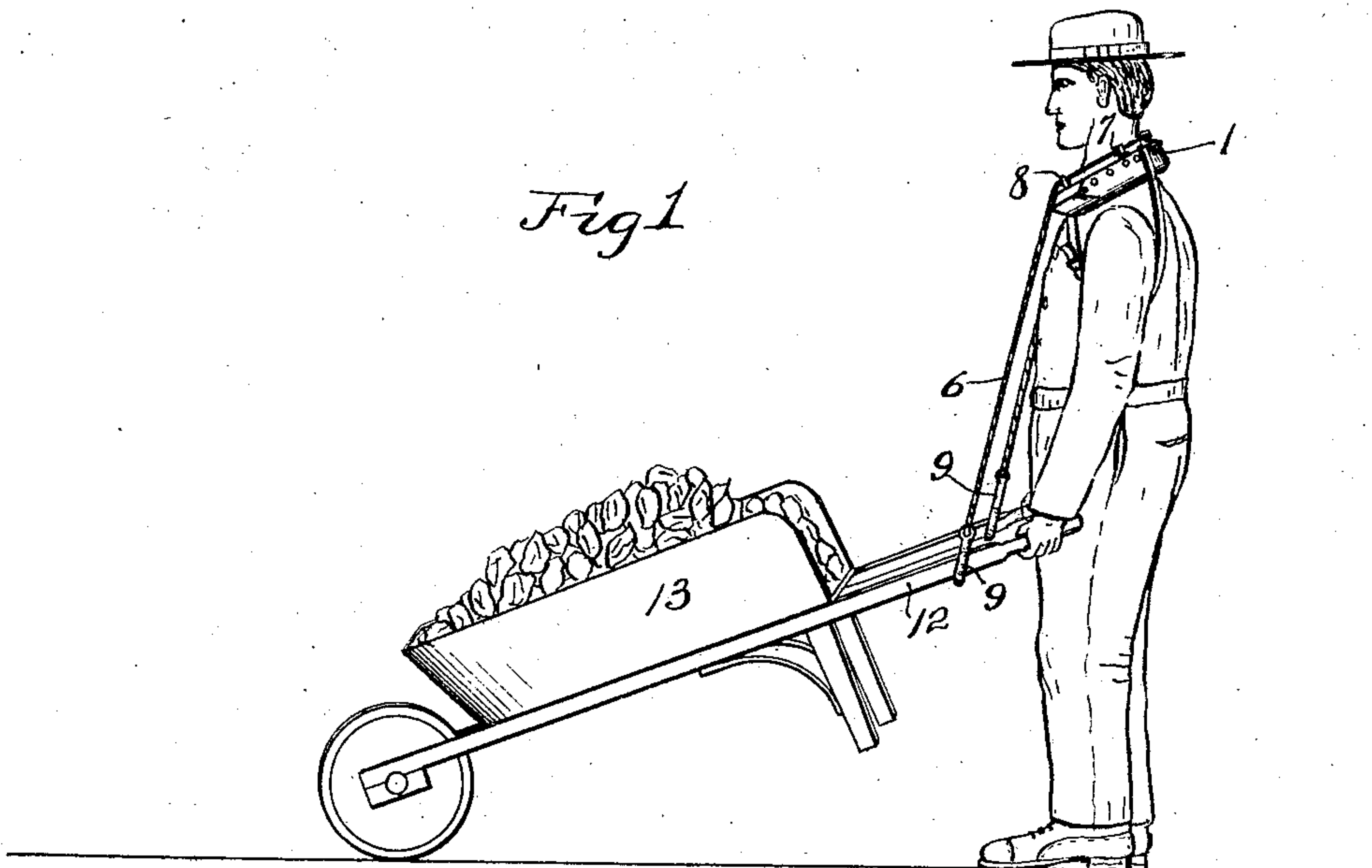


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WEIGHT CARRYING MECHANISM.  
APPLICATION FILED NOV. 13, 1908.

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# UNITED STATES PATENT OFFICE.

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## WEIGHT-CARRYING MECHANISM.

No. 915,628.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed November 13, 1908. Serial No. 462,469.

*To all whom it may concern:*

Be it known that I, CHARLES H. SEYMORE, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Weight-Carrying Mechanisms, of which the following is a specification.

My invention relates to weight carrying mechanisms.

The object of my invention is to provide a device adapted to be releasably mounted upon the body of a person by which the person may be materially assisted in the carrying of weights from one place to another.

My invention is particularly adapted to be used in connection with an ordinary wheelbarrow and provides means by which a portion or all of the weight, which otherwise would be supported by the arms of the operator, may be supported upon his shoulders, thereby giving more freedom of movement for the manipulation of the wheelbarrow.

My invention provides a yoke adapted to be supported upon the body of the person, preferably upon his shoulders, the yoke having mounted thereon, preferably by a running connection therewith, a flexible device, such as a cord, the ends of which are provided with means for releasably engaging and supporting the handles of a wheelbarrow.

The novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawings illustrating my invention—Figure 1 is a side elevation showing the carrying mechanism supported on the body of a person and engaged with the handles of a wheelbarrow. Fig. 2 is a top view of the weight carrying mechanism detached from the person and from the wheelbarrow. Fig. 3 is a vertical sectional view taken on the dotted line *a—b* of Fig. 2. Fig. 4 is a transverse section of a wheelbarrow handle having mounted thereon one of the hooks which are secured to the cord, a portion of the cord being shown.

Similar characters of reference denote similar parts.

In its preferable form the yoke comprises a horizontal U-shaped body 1, provided on its underside with a cushion 2, of any ordinary desirable construction. The shape and size of the yoke is such as will permit it to par-

tially encircle the neck of a person and rest upon his shoulders. Any desired means may be employed to releasably secure the yoke to the body of the operator. The preferable means comprises two loops, disposed adjacent to opposite ends of the yoke, and each loop comprising two straps, 3 and 4, secured at one set of ends to the body 1, the strap 4 having a buckle 5 secured to its free end and adapted to engage the free end of the strap 3.

Supported upon the yoke is a flexible device, such as a cord 6, the ends of which are adapted to engage and support the weight to be carried. The cord 6 is preferably provided with a running connection with the body 1 and is preferably supported thereon by pulley wheels 7, rotatively mounted respectively in suitable supports 8, secured upon the upper side of the body 1. The supports 8 are arranged preferably circularly and substantially concentric with the body 1. The pulley which is located in the center of the yoke, is preferably provided with a vertical axis while the pulleys at the end of the yoke are provided with horizontal axes. Preferably the ends of the cord 6 have respectively secured to them hooks 9, which are adapted to releasably engage the weight to be carried. In order that the hooks 9 may securely engage the handles of a wheelbarrow, truck, or similar article having two handles, each hook is provided on its inner upper side with a projection 10, adapted to enter a vertical transverse recess 11, provided in the under side of the handle 12 of a wheelbarrow 13.

In the operation of my invention, when used in connection with a wheelbarrow, the yoke is placed upon the shoulders of the operator with the open side of the yoke at the front. The straps 3 and 4 are then joined to each other under the arms of the operator, and the hooks 9 are mounted on the handles 12 with the projections 10 located in the recesses 11. The length of the cord 6 should be such that the handles 12 will be disposed so as to be readily grasped by the hands of the operator. With such arrangement the cord may be employed to wholly support the handles, thereby leaving the hands of the operator free for such use of them as he may see fit. Or, as shown in



Fig. 1, the handles may be supported by the cord and the hands of the operator combined.

The object of the projections 10, which are located in the recesses 11, is to prevent the hooks 9 from slipping lengthwise on the handles 12.

By reason of the running connection which the cord 6 has with the yoke, the cord may adapt itself readily to different positions of the wheel barrow handles 12. Thus when it is desired to laterally tip the wheelbarrow for the purpose of dumping a load one of the handles 12 is depressed and the other raised. When this occurs the cord 6 will run lengthwise over the pulleys 7, thereby accommodating the cord to the changed positions of the handles.

While I have illustrated the hooks 9 as supporting the handles of a wheelbarrow it is obvious that they may be employed to support weights of various characters.

Many modifications of my invention, within the scope of the appended claims, may be made without departing from its spirit.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:—

1. In a weight carrying mechanism, the combination with a yoke adapted to be supported upon the body of a person, of a flexible device for carrying a weight, said flexible device being supported on said yoke, said yoke having means by which said flexible device has a running connection with said yoke.

2. In a weight carrying mechanism, the combination with a yoke adapted to be supported upon the body of a person, and provided with one or more pulleys, of a flexible device, such as a cord, mounted upon said pulleys and provided at its ends with weight supporting means.

3. In a weight carrying mechanism, the combination with a yoke adapted to be supported upon the shoulders of a person and provided with loops for receiving there-through the arms of the person, and a flexible weight supporting device, such as a cord, mounted on said yoke and having a running connection therewith.

4. In a weight carrying mechanism, the combination with a yoke adapted to be supported upon the shoulders of a person and provided with loops for receiving there-through the arms of the person, the yoke having one or more pulleys mounted thereon, and a flexible, weight supporting device, such as a cord, mounted upon said pulleys.

5. In a weight carrying mechanism, the combination with a yoke adapted to be supported upon the shoulders of a person and having releasable means for securing the yoke to the person, and a flexible device,

such as a cord, supported by the yoke and having a running connection therewith and provided at its ends with weight engaging devices.

6. In a weight carrying mechanism, the combination with a U-shaped yoke adapted to partially encircle the neck of a person and adapted to be supported by the shoulders of the person, of a plurality of pulleys supported on said yoke and arranged approximately in the arc of a circle substantially concentric with the body of the yoke, and a flexible device, such as a cord, supported on said pulleys and having a running connection therewith and having weight engaging means at its ends.

7. In a weight carrying mechanism, the combination with a yoke comprising a U-shaped body having a cushion secured to its underside and adapted to be supported upon the shoulders of the person, a plurality of pulleys arranged circularly upon the upper side of said body, and a flexible weight supporting device, such as a cord, supported upon said pulleys and having a running connection therewith.

8. In a weight carrying mechanism, the combination with the handles of a wheelbarrow, of a yoke adapted to be supported upon the shoulders of a person, and a flexible device supported on the yoke and having a running connection therewith and provided at its ends with means for engaging said handles.

9. In a weight carrying mechanism, the combination with the handles of a wheelbarrow, of a yoke adapted to be supported upon the shoulders of a person, and a flexible device, such as a cord, supported by said yoke and having hooks at its ends for releasably engaging and supporting said handles.

10. In a weight carrying mechanism, the combination with the handles of a wheelbarrow, each provided with a transverse recess, of a yoke adapted to be supported upon the shoulders of a person, and a flexible device, such as a cord, supported upon said yoke and having two hooks secured respectively to its ends, said hooks being adapted to releasably engage said handles and provided each with a projection for entering the recess in the adjacent handle.

11. In a weight carrying mechanism, the combination with the handles of a wheelbarrow, of a yoke adapted to be supported upon the body of a person and provided with one or more pulleys, and a flexible device, such as a cord, mounted upon said pulley or pulleys and having a running connection therewith and provided at its ends with hooks for releasably engaging and supporting said handles.

12. In a weight carrying mechanism, the combination with the handles of a wheelbar-



row, each handle having a transverse recess,  
of a yoke adapted to be supported upon the  
shoulders of a person and having loops for  
receiving therethrough the arms of the person,  
5 the yoke having one or more pulleys mounted  
thereon, and a flexible device, such as a cord,  
mounted on said pulleys and having a run-  
ning connection therewith and provided at  
its ends with two hooks for respectively en-  
10 gaging the handles of the wheelbarrow, each

hook having a projection adapted to enter  
the recess of the adjacent handle.

In testimony whereof I have signed my  
name to this specification in presence of two  
subscribing witnesses.

CHARLES H. SEYMORE.

Witnesses:

E. B. HOUSE,  
J. C. IRWIN.