Oct. 29, 1935. V. B. DUTTON 2,019,256

ONE-MAN MILL ROLL CARRIER

Filed March 7, 1935 2 Sheets-Sheet 1

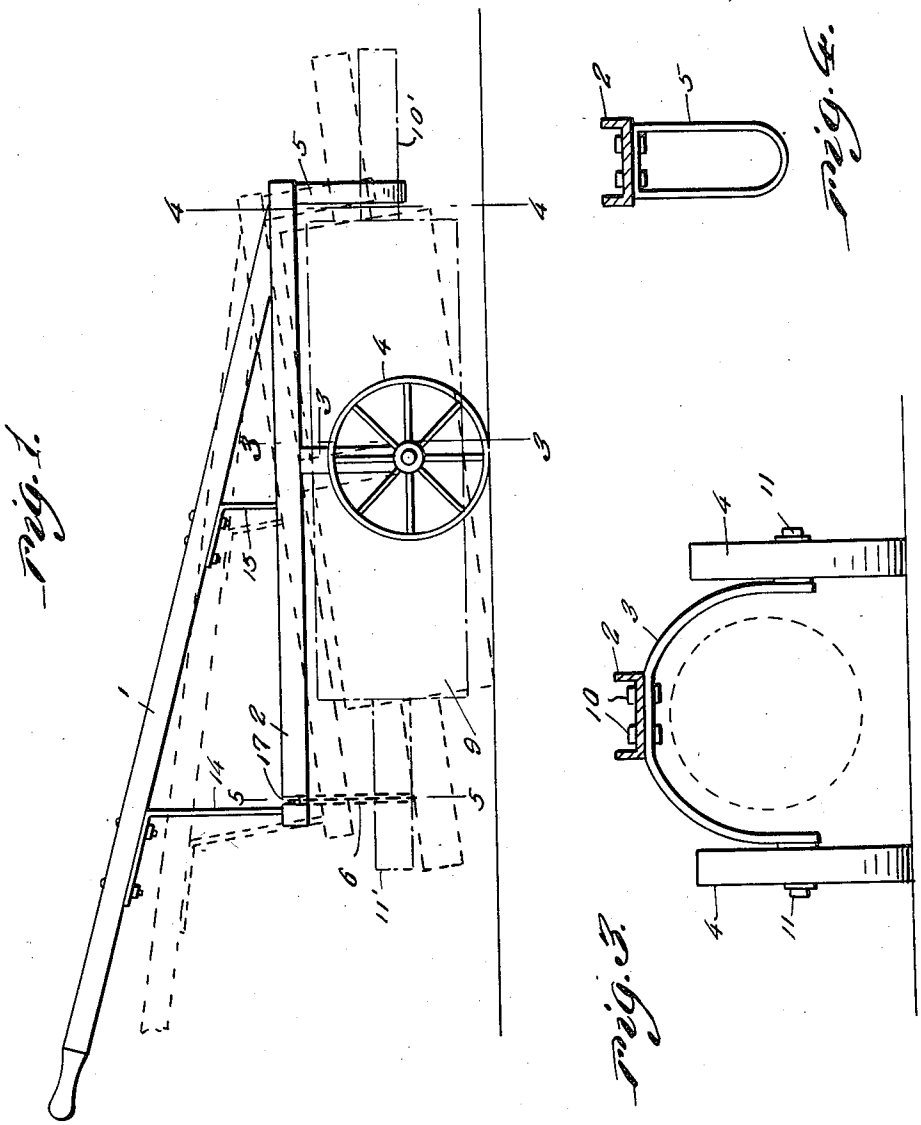


Fig. 1.

Fig. 4.

Fig. 3.

Inventor

V. B. Dutton

By Clarence A. O'Brien

Attorney

Oct. 29, 1935. V. B. DUTTON 2,019,256

ONE-MAN MILL ROLL CARRIER

Filed March 7, 1935 2 Sheets-Sheet 2

Fig. 2.

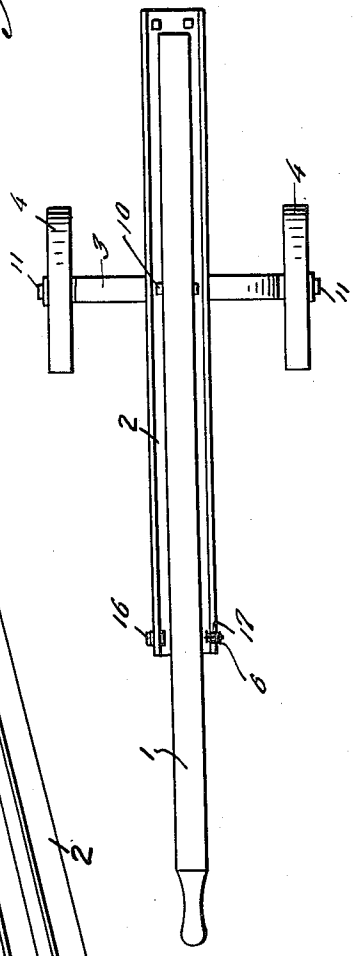


Fig. 6.

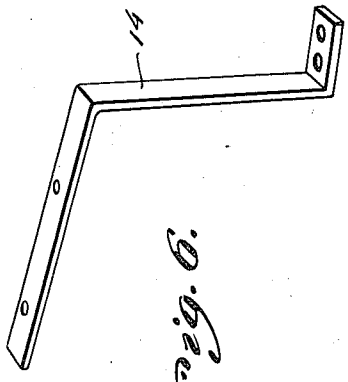


Fig. 5.

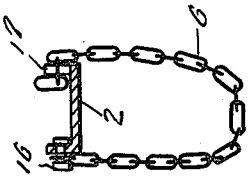
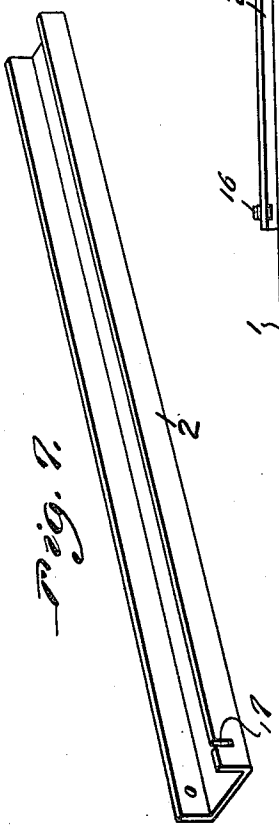


Fig. 4.



Inventor

V. B. Dutton

By Clarence A. O'Brien

Attorney

2.

Patented Oct. 29, 1935

2,019,256

UNITED STATES PATENT OFFICE

2,019,256

ONE-MAN MILL ROLL CARRIER

Virt B. Dutton, Tecumseh, Okla.

Application March 7, 1935, Serial No. 9,876

1 Claim. (Cl. 280—53)

The present invention relates to a mill roll carrier which may be easily operated by one man and has for its object to provide a construction which is exceedingly simple, inexpensive to manufacture, strong and durable, easy to manipulate, convenient, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention consists in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a side elevation of the carrier embodying the features of my invention.

Figure 2 is a top plan view thereof.

Figure 3 is a vertical transverse section taken substantially on the line 3—3 of Figure 1.

Figure 4 is a detail vertical transverse section taken substantially on the line 4—4 of Figure 1.

Figure 5 is another detail vertical transverse section taken substantially on the line 5—5 of Figure 1.

Figure 6 is a perspective view of one of the braces.

Figure 7 is a perspective view of the beam.

Referring to the drawings in detail, it will be seen that the numeral 2 denotes a panel beam mounted on an inverted yoke or arch axle 3. The intermediate portion of the beam is fixed thereto by suitable fastening means 10. Wheels 4 are journaled on stub axles 11 projecting outwardly from the ends of the yoke or arch axle 3. An elongated handle 1 has its forward end fixed in the front end of the channel beam 2 and inclines and diverges rearwardly therefrom and is secured thereto by two substantially V-shaped brackets 14 and 15. A suspension hanger loop 5 depends from the forward end of the beam 2. A chain 6 has one end secured to the rear portion of the beam by means of a bolt 16 and the other end thereof is engageable in a notch 17 as indicated to advantage in Figure 5.

In use, the operator takes hold of the handle 1 with his hands and holds in balanced position. The carrier is driven forward with the arch axle 3 straddling the mill roll 9. The handle 1 is then raised until the loop or suspension hanger 5 encircles roller journal 10'. The carrier is then moved back into position where the weight of the roller 9 will properly be divided on either end of the beam 2. The handle is then pressed downwardly and the front end of the roll is raised. The end of the chain 6 is passed under the roll journal 11' and the end of the chain is brought upwardly and fastened in the notch 17. The handle is then raised in the balanced position and the roll is loaded ready to be transported.

It is thought that the construction, operation, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described the invention, what is claimed as new is:

A carrier of the class described comprising a beam, a wheel support under the intermediate portion of the beam, an elongated loop depending from the forward end of the beam, a chain fixed at one end to the rear end thereof and having a free end engageable in a notch in the beam, a handle for the beam, said handle being secured to the forward portion of the beam and diverging upwardly and rearwardly therefrom, and braces extending between intermediate portions of the handle and the beam to maintain the said handle in diverging relation to the beam.

VIRT B. DUTTON.