

No. 762,875.

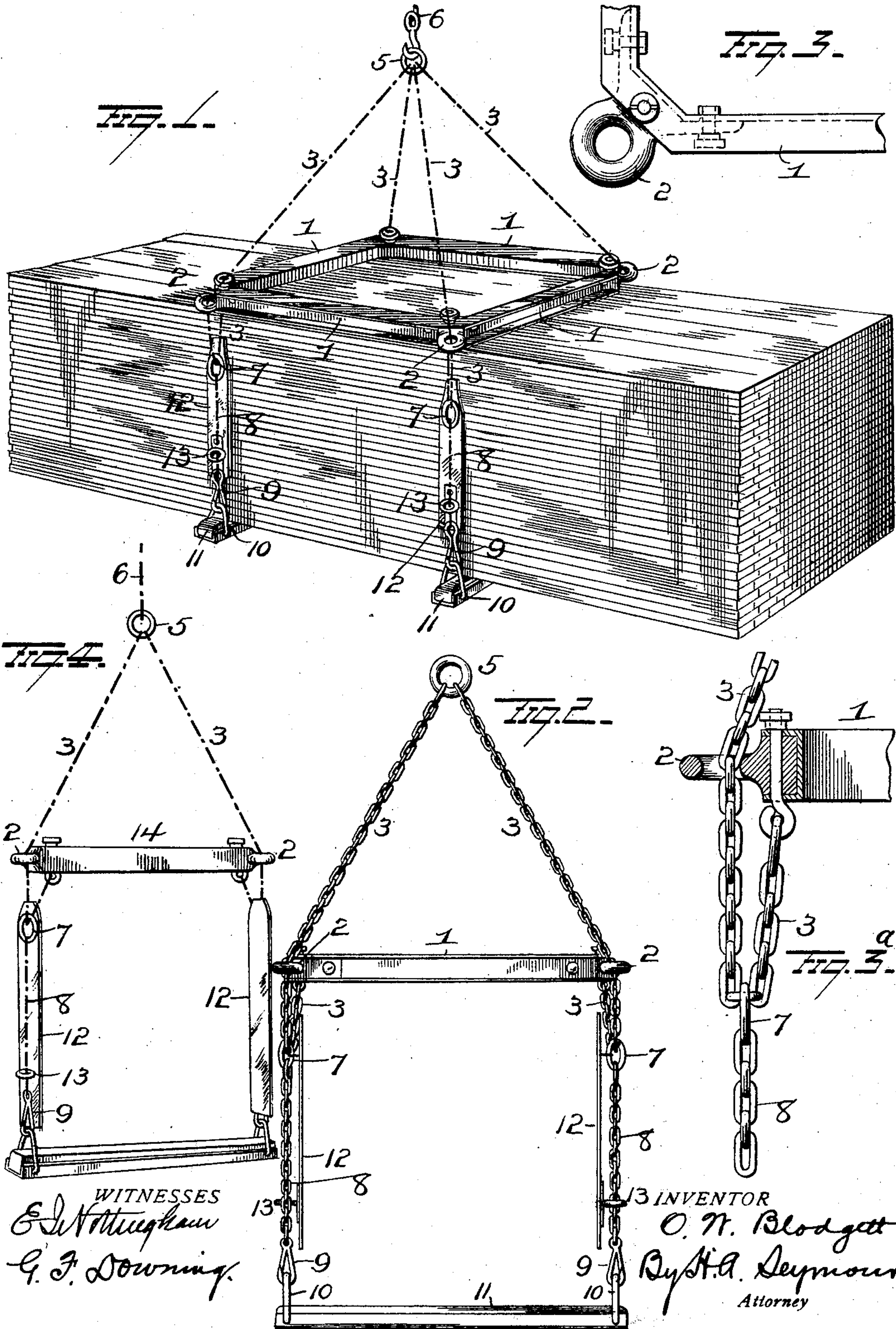
PATENTED JUNE 21, 1904.

O. W. BLODGETT.

SLING FOR LOADING OR UNLOADING APPARATUS.

APPLICATION FILED MAR. 29, 1904.

NO MODEL.



UNITED STATES PATENT OFFICE.

OMER W. BLODGETT, OF BAY CITY, MICHIGAN.

SLING FOR LOADING OR UNLOADING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 762,875, dated June 21, 1904.

Application filed March 29, 1904. Serial No. 200,520. (No model.)

To all whom it may concern:

Be it known that I, OMER W. BLODGETT, a resident of Bay City, in the county of Bay and State of Michigan, have invented certain new and useful Improvements in Slings for Loading or Unloading Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make a use the same.

My invention relates to an improved sling for loading and unloading apparatus, the object of the invention being to provide improvements of this character which can be readily applied and which will most effectually bind a load of any dimensions without injury thereto; and it consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my improvements supporting a pile of lumber. Fig. 2 is a similar view of the sling removed. Figs. 3 and 3" are enlarged detail views, and Fig. 4 is a view of a modification.

1 represents a rectangular angle-iron frame provided at its corners with large eyes 2. Chains 3 are secured at one end to the lower face of frame 1 at its corners and are passed up through the eyes 2 and the four chains 3 connected with a ring 5, which latter is connected with a hoisting-chain 6, as shown. The four chains 3 below eyes 2 are passed loosely through rings 7, each of which has a chain 8 depending therefrom and carrying a hook 9 at its lower end to engage bails 10 in the ends of cross-bars 11, which latter are composed, preferably, of wood with channel-iron reinforcement, as shown, although they may be otherwise constructed, as preferred. To prevent injury to the load, leather or other strips 12 may be located between chains 8 and the load and made with loops or eyes 13 to receive the chains and hold them in position.

Instead of providing a rectangular frame 1, as above described, I might use but a single bar 14, as shown in Fig. 4, the chain connection and operation being precisely like that above described, save that only two sets of

chains are used instead of four, and I would have it understood that when I employ the term "chains" in this application I do not restrict myself to metal chains, but intend said term to include ropes, cables, wire, or any other flexible connecting devices which may be employed for the purpose.

The operation of my improvements is as follows: When, for instance, a pile of lumber is on shipboard or elsewhere, the hoisting mechanism is operated to move my improved sling to a position above the same. The lower cross-bars 11 are placed below the pile of lumber and chains 8 connected to the bails 10 at the ends of said bars by the hooks 9. When hoisting-chain 6 raises ring 5, all the chains 3 will be drawn upward, drawing chains 8 upward and securely binding the load between the frame 1 and bars 11, and the greater the weight of the load the tighter will be this clamping action. The load can then be transferred and readily released, for as soon as it is deposited and the hoisting-chain slackened the chains 3 and 8 will slacken and permit bars 11 to be withdrawn and the sling carried back for the next load.

While my improvements are especially adapted for loading lumber onto ships or unloading the same therefrom, it is also adapted for a great many other uses, and hence I would have it understood that I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a sling, the combination with a cross-bar having eyes at its ends, of chains secured to the bar, passed up through the eyes and connected together, chains supported from the first-mentioned chains and a cross-bar carried by said last-mentioned chains.

2. In a sling, the combination with a cross-bar, of chains secured thereto, rings on said chains, other chains supported from said rings, and a cross-bar connected with said last-mentioned chains.

3. In a sling, the combination with a cross-

bar, of chains secured at one end thereto and at their other ends to a hoisting-chain, rings loose on said chains, chains secured to said rings and depending therefrom, hooks on said
5 last-mentioned chains, and a cross-bar having bails at its ends to which said hooks are connected.

4. In a sling, the combination with a cross-bar, of chains secured to the bar, other chains
10 supported from the first-mentioned chains, a cross-bar carried by the last-mentioned chains, and protecting-strips carried by said last-mentioned chains.

5. In a sling, the combination with a rec-
15 tangular frame having eyes at its corners, of

chains secured to the lower face of the frame, passed up through the eyes and connected together and adapted to be secured to hoisting mechanism, of rings on said chains below the eyes, chains depending from the rings, cross-
20 bars to pass beneath the load, and means for connecting the last-mentioned chains with said cross-bars.

In testimony whereof I have signed this specification in the presence of two subscrib-
25 ing witnesses.

OMER W. BLODGETT.

Witnesses:

D. C. BRAWN,

A. E. FITZ GERALD.