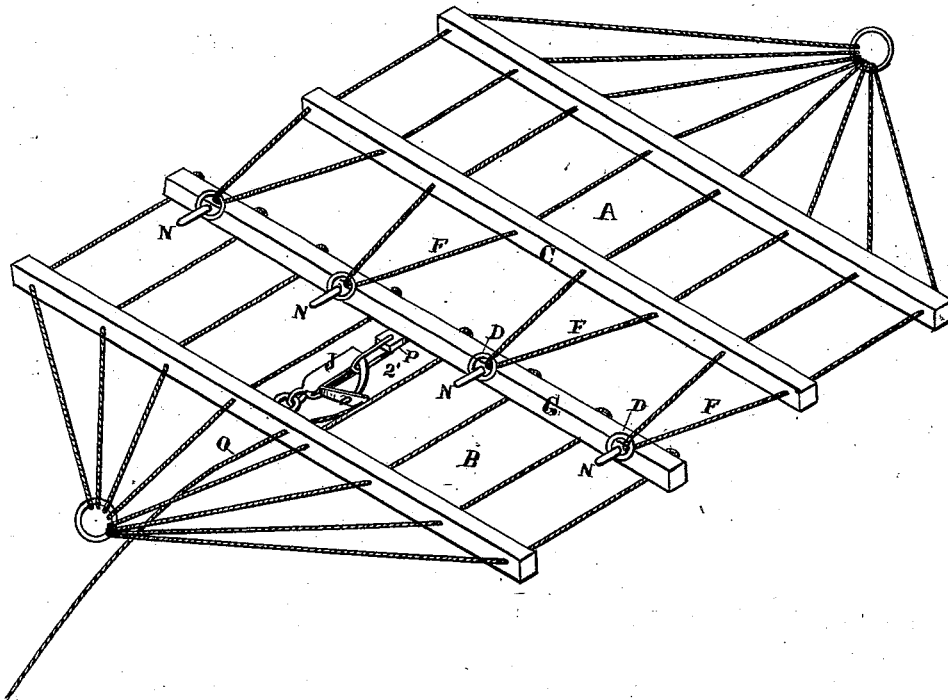


J. D. WINTERS.
Netting for Unloading Wagons.

No. 203,975.

Patented May 21, 1878.



Witnesses

Inventor

John D. Winters
Geo. W. Strong. by *Dewey & Co.*
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UNITED STATES PATENT OFFICE.

JOHN D. WINTERS, OF GRAND ISLAND, CALIFORNIA.

IMPROVEMENT IN NETTINGS FOR UNLOADING WAGONS.

Specification forming part of Letters Patent No. **203,975**, dated May 21, 1878; application filed March 28, 1878.

To all whom it may concern:

Be it known that I, JOHN D. WINTERS, of Grand Island, county of Colusa, and State of California, have invented an Improved Netting for Unloading Wagons; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing.

My invention relates to an improved arrangement for connecting and disconnecting the two parts of a netting, such as is used for unloading head-wagons; and it consists of the device and arrangements hereinafter described.

Referring to the accompanying drawing, A and B represent the two parts of a netting of the kind above mentioned. On one of the parts A, I leave the ropes of which the netting is made extending beyond the rail C, which is nearest the points where the two parts of the netting are to be connected; and each two adjoining rope-extensions I connect together at their ends, and attach a ring, D, at the point of junction. This gives a number of rope-extensions, F, outside of the rail C, all of which are of equal length, and each having a ring attached to it, as represented.

The rail G of the part B of the netting I provide with an equal number of straight pins, N, which project at right angles from the outer face of the rail. This rail I also provide with a short arm, P, at its middle, which also projects at right angles from the outer face of the rail, and to the end of this arm I attach a link, chain, or rope, 2'. To the middle of the next adjoining rail of B, I attach a detaching apparatus, J, which, in the present instance, is a plate with a pivoted arm at its outer end, which is slightly curved, and a pivoted plate at the opposite end. The plate has a hole through it, through which the end of the hook-arm will pass after the link or chain has been engaged with it. A jerk-cord,

O, is attached to the outer end of this plate, by pulling which the plate is drawn off the point of the hook-arm to detach the fastening.

To connect the two parts of the netting in order to receive a load, I place the rings D over the pins N in regular order. I then turn the rail G round, so that the rings will draw against the face of the rail. I then connect the link, chain, or rope 2' with the detaching device, as above described, and the netting is ready for use. The pins will then hold the rings against any strain that the parts will withstand.

To disconnect the parts and dump the load, a slight jerk upon the string O will draw the plate off the arm which holds the link or chain, and the rail G will turn so as to allow the rings to drop from the pins, and the parts will separate.

This arrangement is extremely simple and strong. It avoids the necessity of using a spring or other device of doubtful strength and action.

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

An arrangement for connecting and disconnecting the two parts of a netting for unloading wagons, consisting of the extensions, cords, or ropes F, with their rings D, attached to the rail C of one part of the netting, and the pins N, arm P, link or chain 2', and the detaching device J, attached to the other parts, arranged and operated substantially as above described.

In witness whereof I have hereunto set my hand and seal.

JOHN D. WINTERS. [L. S.]

Witnesses:

FREDK. KLAYS,
BYRON PEARCE.