

J. R. ANDERSON.

Portable Truck.

No. 113,830.

Patented April 18, 1871.

Fig. 1.

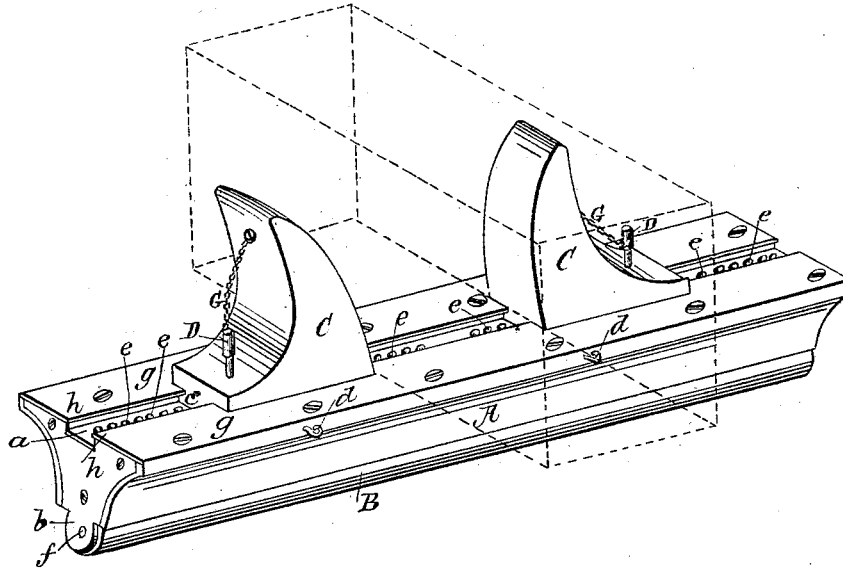


Fig. 2.

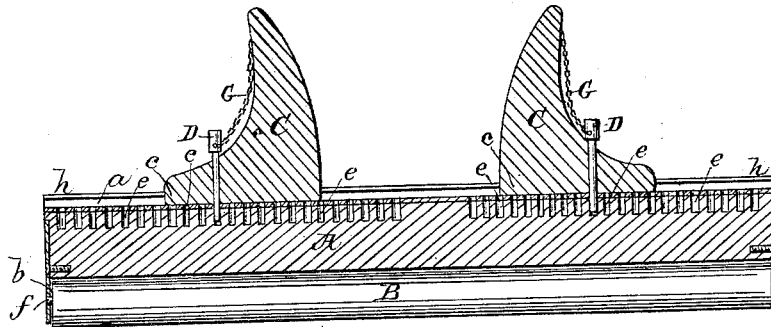
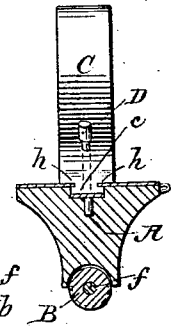


Fig. 3.



Witnesses

Fred. Haynes
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Inventor

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United States Patent Office.

JOHN R. ANDERSON, OF NEW YORK, N. Y.

Letters Patent No. 113,830, dated April 18, 1871.

IMPROVEMENT IN PORTABLE ROLLERS FOR MOVING HEAVY BODIES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN R. ANDERSON, of the city, county, and State of New York, have invented a Portable Roller for Moving Heavy Bodies; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of this specification.

In moving heavy bodies, such as steam-boilers, shafts, spars, blocks of stone, rollers consisting of simple cylinders of wood, without any carriages or bearings, are employed to roll them on; these are objectionable, as each one as soon as the body passes off it has to be replaced at the front of the body.

The object of this invention is to provide for such purposes a roller which, while portable and easily handled, will not need frequent replacement in moving a body a long distance, but will remain under that portion of a body where it may be placed. To this end,

It consists in a roller having at its ends journals fitted to suitable bearings at the end of a bed-piece, which forms a bearing for the body to be moved, and which is provided with adjustable chocks that confine the body to be moved in a lateral direction.

In the accompanying drawing—

Figure 1 is a perspective view of my roller, showing it applied to a block of stone, which is represented by dotted lines;

Figure 2 is a central longitudinal section of the same; and

Figure 3 is a transverse section thereof.

Similar letters of reference indicate corresponding parts in all the figures.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawing.

A is the bed-piece, preferably made of wood faced and strengthened with metal, of a length corresponding to that of the roller B, and of a width somewhat greater than the diameter thereof, and having its under side recessed to receive the said roller.

This roller is preferably made of wood with iron axles inserted into its ends, the journals *ff* of said axles being received in bearings in plates *bb* secured to the ends of the bed-piece.

The upper face of the bed-piece has formed in it a central groove, *a*, in the center of which is a series of holes, *ee*.

The plates *gg*, on the upper face of the bed-piece, overlap the edges of this groove, forming shoulders *hh*.

The chocks *CC* may be of any suitable form, and have tongues *cc* formed on their under sides, which fit within the groove *d* in the bed-piece, under the shoulders *hh*, and slide therein, and the rear portion of each chock is provided with a hole for the insertion of a pin, *D*, through it into one of the holes, *ee*, in the bed-piece to lock the chock in any position.

As in moving very heavy weights a long roller might impinge against the bed-piece and consequently be prevented from turning, I may find it necessary to divide the roller into several sections, and in that case should have to furnish the bed-piece with more bearings.

The bed-piece *A* is placed under the body to be moved, which is represented in the drawing as being a block of stone, and the chocks *CC* are then moved up to each side of said body and there locked by the pins *D*, thereby securing the body from any lateral movement.

The body may be drawn by power applied directly to it, or through means of ropes attached to ring-bolts *dd*, which are secured in the bed-piece.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the bed-piece *A*, roller *B*, and adjustable chocks *CC*, substantially as and for the purpose herein described.

JOHN R. ANDERSON.

Witnesses:

FRED. HAYNES,
U. J. TUSKA.