

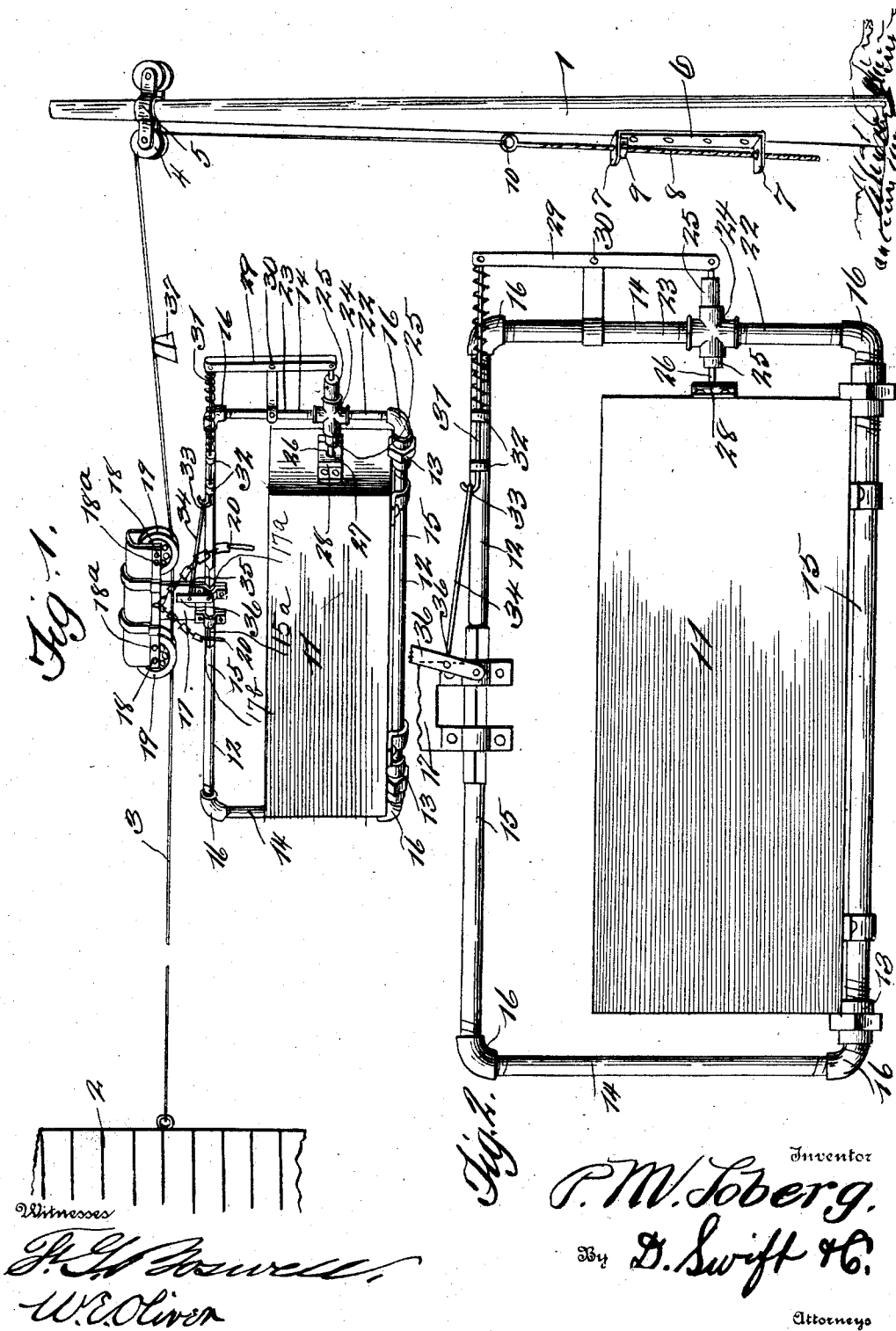
No. 879,280.

PATENTED FEB. 18, 1908.

P. M. LOBERG.
TRAMWAY.

APPLICATION FILED OCT. 16, 1907.

2 SHEETS—SHEET 1.



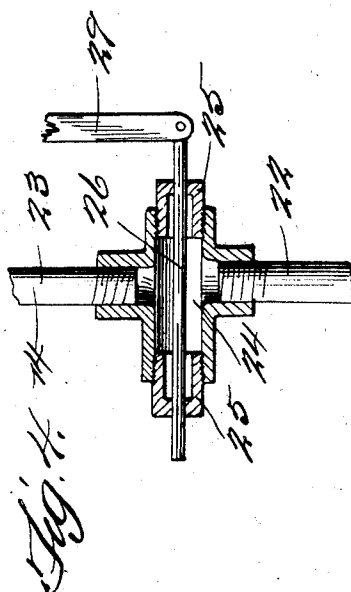
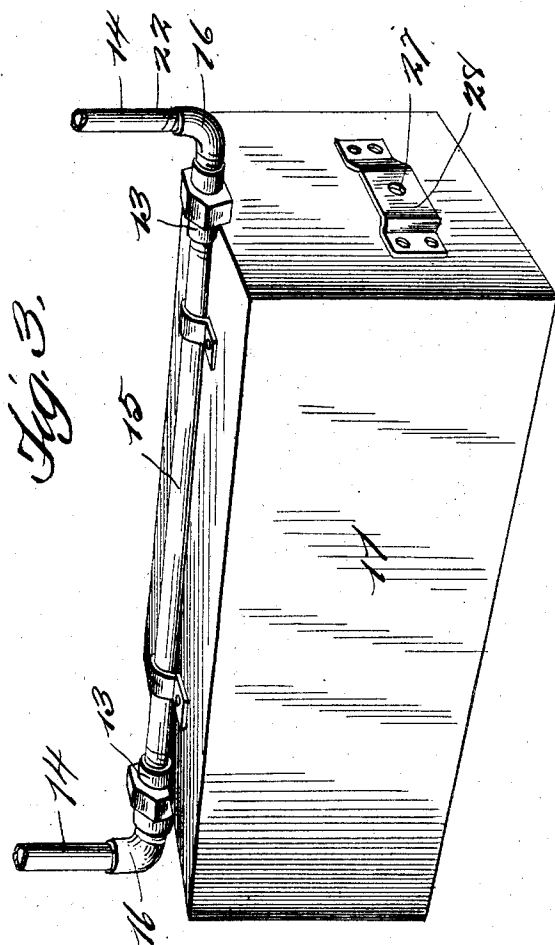
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Witnesses

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UNITED STATES PATENT OFFICE.

PETER M. LOBERG, OF HOMESTEAD, NORTH DAKOTA.

TRAMWAY.

No. 879,280.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed October 16, 1907. Serial No. 397,628.

To all whom it may concern:

Be it known, that I, PETER M. LOBERG, a citizen of the United States, residing at Homestead, in the county of Richland and State of North Dakota, have invented a new and useful Tramway; 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 and use the same.

This invention pertains to a new and useful overhead tram-way of such a construction that dirt or other material may be transferred from where excavating is being conducted to the dump; and the invention in its broadest latitude resides in the special form of framework, which carries the pulleys which travel upon the tram-way wire, and the conveyer box.

A further object of the invention resides in the special constructed means for holding the conveyer box in a vertical position, and which means coöperates with a stop upon the tram-way wire for releasing said conveyer box, as will be clearly observed in the drawings. The invention is provided with means for holding the pulleys immovable while the conveyer box is being filled, with that which is to be transferred.

This invention comprises further objects and combinations of elements which will be hereinafter more fully described, shown in the accompanying drawings, and the novel features thereof will be pointed out by the appended claims.

To obtain a full and correct understanding of the details of construction, combinations of features, elements and advantages, reference is to be had to the hereinafter set forth description and the accompanying drawings in connection therewith, wherein

Figure 1 is a perspective view of the device, showing one of the supporting poles and the adjustable means for the tram-way wire, and the conveyer and its frame mounted on the wire. Fig. 2 is a side elevation of the conveyer box and the frame therefor which is provided with a supplemental frame and pulleys. Fig. 3 is a perspective view showing the conveyer box hanging from its frame. Fig. 4 is an enlarged view of the means for locking the conveyer box in a vertical position.

Like reference characters are used for indicating corresponding features and elements throughout the several illustrations.

In regard to the drawings, 1 designates a post and 2 represents a fixed object, which may be the side of a building of any description. Extending from the fixed object 2 to the post 1 is a tram-way wire 3, which engages a pulley 4 carried adjacent to the upper end of the post 1 by means of a collar 5 as clearly shown in the drawings. At the lower portion of the post 1 a metallic member or bracket 6 is fixed, through the portions 7 of which the rod 8 extends, upon the threaded portion of which a nut 9 is mounted; this rod is provided with an eye 10 to which the end of the tram wire 3 is connected. This rod is for the purpose of taking up the slack of the said tram wire, as will be clearly manifest.

Adapted to travel between the fixed object and the post and by means of the tram wire is the conveyer box or carrier 11, which is pivoted to the lower portion of the rectangular tubular frame 12. This rectangular tubular frame is provided with collars 13, between which the conveyer box oscillates, and which prevent movement endwise of the frame. This tubular frame is composed of the sections 14 and 15, joined together by the elbow couplings 16 as clearly shown in Fig. 2. Mounted upon the section 15, that is the upper one, is the frame 17, the upper portion of which is an inverted U-shape as shown, and which upper portion is provided with bearings to receive the shafts 18 of the pulleys 19, which engage the tram wire.

The lower portion of the frame 17 is shaped as at 17^a to fit one side of the rectangular portion of the section 15 of the frame 12; and to hold said portion 17^a in close engagement with the rectangular portion 15^a, clamps 17^b are provided, which are bolted to the lower portion of the frame 17 as clearly shown in Figs. 1 and 2; this construction holds the frame 12 and the frame 17 in a vertical plane, as will be clearly evident from the drawings.

To prevent the frame and conveyer box from creeping or moving upon the tram wire as the conveyer box is being filled, pins 20 are provided which engage one of the apertures in the web of the said pulleys. Any suitable means for disengaging said pins may be provided, preferably such means as shown at 21.

One of the sections 14 is composed of two parts 22 and 23, which are connected to-

gether by means of the T-joint 24, the lateral ends of which are provided with plugs 25 through which the locking bolt 26 moves. This bolt 26 is adapted to engage an aperture 27 in the plate 28, so as to hold the conveyer box in a vertical position as clearly shown in the drawings.

To actuate the bolt 26 so as to release the conveyer box an oscillating lever 29 is provided, which is pivoted as at 30 and its lower end is pivoted to the said bolt 26, while its upper end is pivoted to the reciprocating rod 31, which is mounted in bearings 32 as clearly shown in Fig. 2 of the drawings; the free end 15 of the rod 31 is connected to the end 33 of the wire 34, while the other end 35 of said wire is connected to a trip lever 36, which is adapted, as the conveyer box nears the post 1, when transferring material, to contact 20 with a stop 37 fixed upon the tram wire so as to actuate the said rod 31 which in turn will actuate the said bolt 26, so as to release the conveyer box to dump its contents, as will be clearly manifest.

Changes and modifications may be employed in the construction and embodiment thereof, without departing from the spirit of the invention, as long as such modifications and changes fall within the scope of the appended claims.

From the foregoing, the essential features, elements and the operation of the device, to-

gether with the simplicity thereof will be clearly apparent.

Having thus described the invention, what 35 is claimed as new and useful, by the projection of Letters Patent is:

A device of the character described, comprising a tram wire or cable suitably supported in stretched position, a trolley 40 mounted to travel upon said wire or cable, a frame having a fixed suspended connection with said trolley, a conveying receptacle having pivotal connection with the lower horizontal member of said frame, said frame 45 having one of its vertical members provided with a tubular part or sleeve intermediate its ends, a trip lever fulcrumed upon the connection between said trolley and said frame, a retaining bolt for said conveying receptacle 50 arranged to have a sliding movement in said tubular part or sleeve, and means effecting connection between said bolt and said trip-lever adapted to hold said bolt in effective position, said cable or wire being equipped 55 with a cam stop for engagement with said trip-lever.

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

PETER M. LOBERG.

Witnesses:

J. McGANN,

E. O. ENOCHSON.