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1,930,076

BEAM TRUCK

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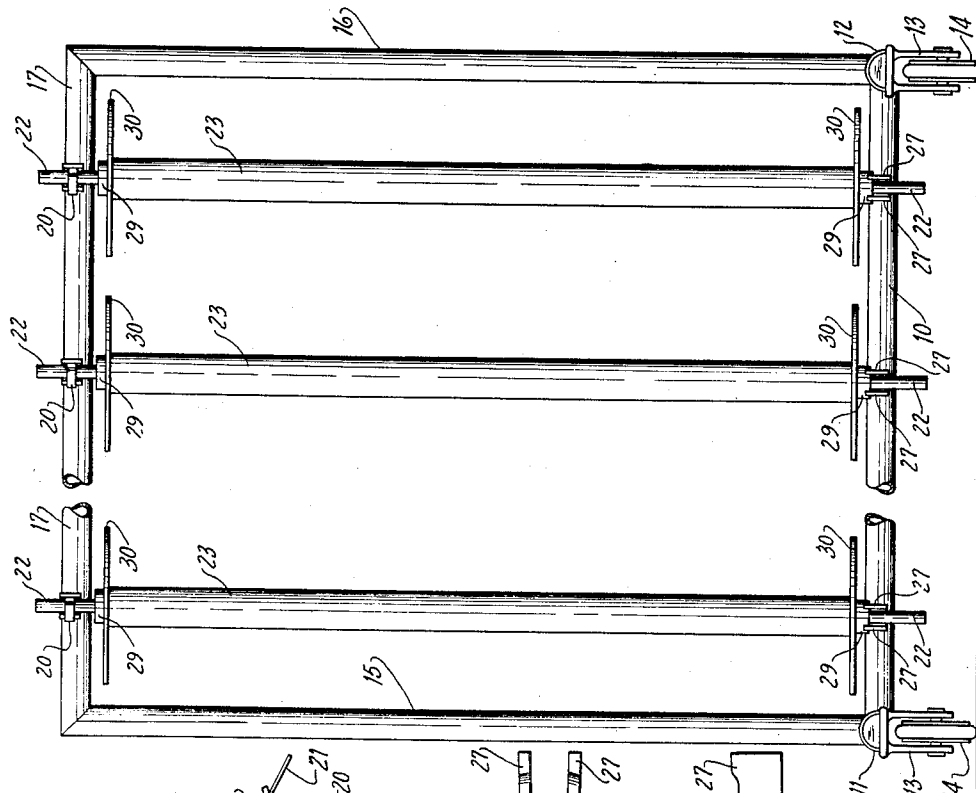


Fig. 1

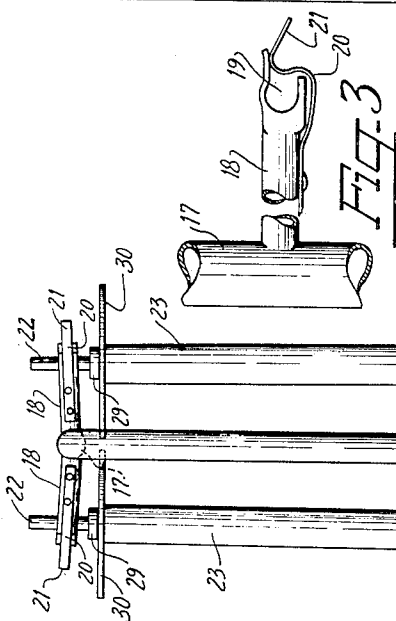


Fig. 3

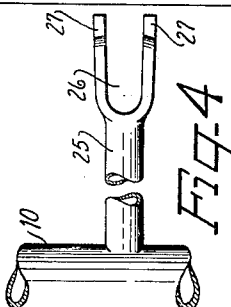


Fig. 4

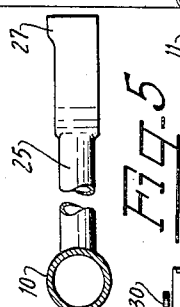


Fig. 5

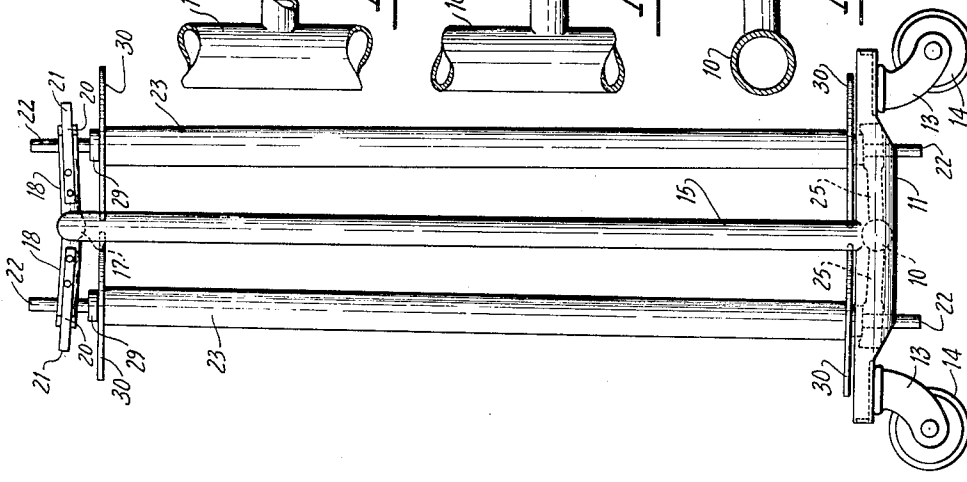


Fig. 2

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1,930,076

BEAM TRUCK

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Application April 17, 1931. Serial No. 530,788

2 Claims. (Cl. 280—49)

This invention relates to means for transporting beams and the like for supplying looms, and is more especially adapted for conveying empty warp beams away from the loom when a new beam or warp supply has been installed in the loom, and is adapted to be used in connection with other warp replenishing mechanisms, sometimes referred to as web supply means.

An object of this invention is to provide a truck having means for supporting in approximately upright position a plurality of beams for looms, warpers, and the like, and although it has been shown as being adapted to carry empty beams, it is evident that it could be used for transporting means filled with warp or other material for replenishing the warp supply of looms and other textile machinery, and could also be used in transporting the beams of cloth from looms or any other filled beams from any textile machinery.

Some of the objects of the invention having been stated, other objects will appear as the description proceeds when taken in connection with the accompanying drawing, in which—

Figure 1 is a side elevation of the invention; Figure 2 is an end view of the truck;

Figure 3 is an enlarged detailed plan view of the means for engaging the upper end of the beam shaft;

Figure 4 is an enlarged detailed plan view of the means for supporting the lower end of the beam;

Figure 5 is a side elevation of the structure shown in Figure 4 looking from the lower side of Figure 4.

Referring more particularly to the drawing, the numeral 10 indicates a longitudinally disposed bar preferably of tubular material, and to each end of this bar is secured the cross members 11 and 12, and the ends of the members 11 and 12 have casters 13 rotatably mounted therein with the casters having wheels 14 therein. Projecting upwardly from the members 11 and 12 at the junction points of members 11 and 12 with member 10 are the uprights 15 and 16, to the upper end of which is secured a laterally disposed member 17, and this laterally disposed member 17 has a plurality of members 18 projecting laterally therefrom having a recess 19 in the end thereof normally closed by a leaf spring 20 which has the outwardly projecting portion 21 adapted to engage the shaft 22 of a beam 23 to depress the spring 20 outwardly to allow shaft 22 to be held in the recess 19.

To the member 10 are a similar number of projecting members 25 which have a fork as at 26 in the free end thereof and a projection 27 on the end of each of these portions of fork 26 to cause the hub portion 29 of each of the beams 23 to fit in behind the projection 27 to prevent

the beams from being jarred out of the recesses 26 while being transported in this truck. The beams 23 have the end webs 30 and 31 on the ends thereof which is a conventional beam.

The members 18 and 25 respectively are disposed on opposite sides of the members 17 and 10 respectively and are in pairs, there being one member 18 and one member 25 for supporting a particular beam.

It is seen that beams can quickly be placed in position in this truck in any desired number, depending upon the length of the truck, and can be easily transported from place to place without injuring and be readily accessible to be withdrawn from this truck.

In the drawing and specification, there has been set forth a preferred embodiment of the invention and although specific terms are employed, they are used in a generic and descriptive sense only, and not for purposes of limitation, the scope of the invention being set forth in the appended claims.

I claim:

1. In a truck for conveying beams and the like, a longitudinally disposed base member, transversely disposed members secured to the end of said base member, a caster wheel mounted in each end of said transversely disposed members, two vertically disposed members secured to said transversely disposed members, a longitudinally disposed member joining the upper ends of said vertically disposed members, pairs of laterally projecting supports secured to both of said longitudinally disposed members, said supports being forked at their ends, and being adapted to receive and hold beams and the like in a vertical position, the ends of the supports on the upper longitudinally disposed member having resilient means for releasably holding the upper ends of the beams and the like in position.

2. A truck for transporting warp beams and the like, comprising a vertically disposed rectangular framework, a transversely and horizontally disposed cross-member secured to each of the lower corners of the framework, a caster wheel mounted in the ends of the cross-members, a plurality of pairs of laterally projecting members secured on the upper and lower portions of said framework for receiving the upper and lower ends of the beam, said pairs of laterally projecting members being forked, each of the lower forked members having a protuberance on its upper side, and the upper forked members having resilient means for holding the upper end of the beam in vertical position.

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