Aug. 24, 1948. D. H. BITNEY 2,447,556

PALLET OR SKID FOR HANDLING MATERIALS

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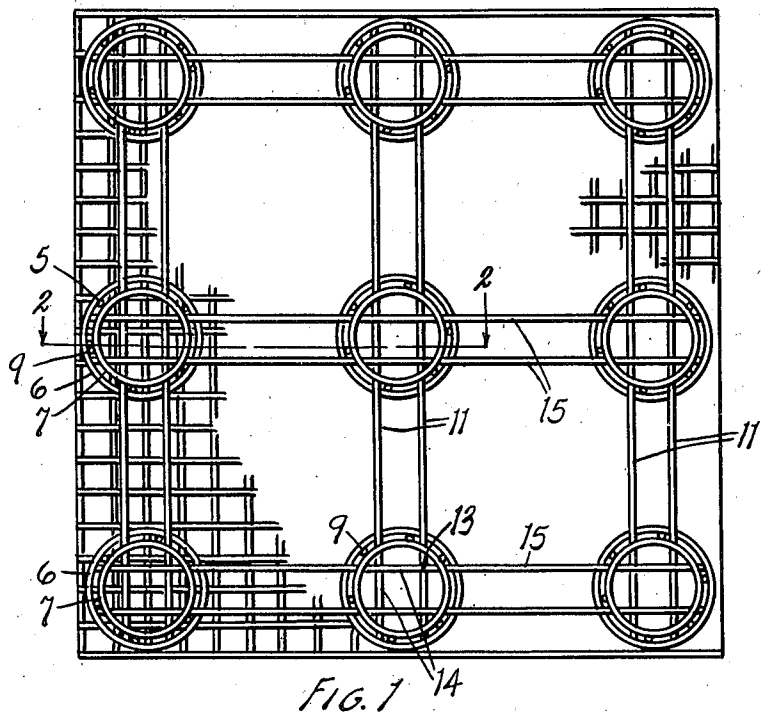


FIG. 1

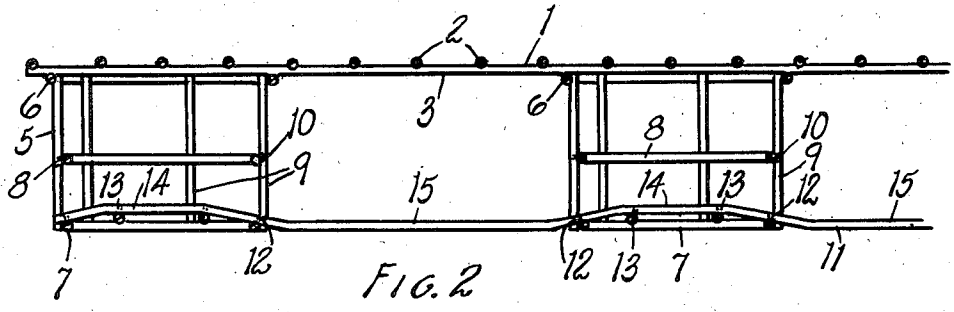


FIG. 2

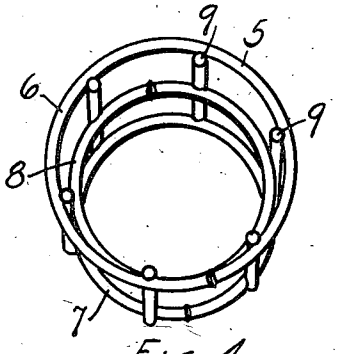


FIG. 4

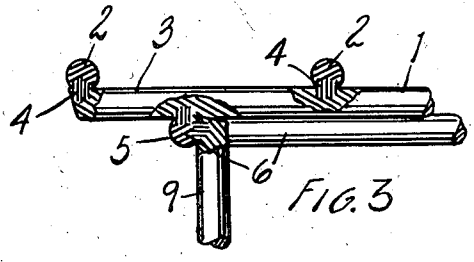


FIG. 3

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PALLET OR SKID FOR HANDLING MATERIALS

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7 Claims. (Cl. 248—120)

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This invention relates to improvements in pallets or skids for handling materials.

The main objects of this invention are:

First, to provide a pallet or skid for handling materials well adapted for use with lifting trucks of the forked type.

Second, to provide a pallet or skid which while formed of relatively light stock is strong and rigid.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is an inverted plan view of a pallet or skid embodying my invention, only a portion of the top or platform being illustrated or developed in the drawing.

Fig. 2 is an enlarged vertical fragmentary section on a line corresponding to line 2—2 of Fig. 1.

Fig. 3 is an enlarged fragmentary view partially in vertical section illustrating further details of the structure.

Fig. 4 is a perspective view of one of the legs.

The embodiment of the invention illustrated comprises a top or deck designated generally by the numeral 1 and comprising an upper series of parallel light rod or wire slats 2 and a lower series of parallel light rod or wire slats 3, these slats being welded together at their crossing points as best shown at 4 in Fig. 4.

The legs designated generally by the numeral 5 are positioned at the corners, the sides or intermediate the corners and at the center. As these legs are all alike a description of a single leg will suffice.

Each leg comprises a top annular member 6, a bottom annular member 7 and an intermediate annular member 8. These are connected in spaced relation by the upright vertical rods 9, the rods being welded to the horizontal members, as indicated at 10.

The bottom rods 11 are arranged in spaced pairs, desirably over the bottom horizontal member 7 of the legs and welded thereto as indicated at 12, the bottom rods being welded to each other as indicated at 13. The superimposed rods are upwardly offset at 13 so that their reaches 15 between the legs are in substantially the horizontal plane of the bottom members of the legs.

The legs are preferably positioned at the corners intermediate the corners and centrally of the deck. This provides an effective support for

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the top or deck even when it is formed of relatively light gauge stock. Further, the legs are spaced to receive the forks of a lifting truck between them when presented from any one of the sides or even diagonally.

The legs are well adapted to withstand blows delivered thereto from the fork of a lifting truck carelessly handled. Such shocks are well distributed and also the legs being circular in general outline tend to deflect such blows.

The structure is strong and rigid and the legs are well adapted to support one pallet upon another; also to resist wracking strains and stresses.

I have illustrated and described a highly practical embodiment of the invention. I have not attempted to illustrate or describe other adaptations or embodiments as it is believed that this disclosure will enable those skilled in the art to embody or adapt the invention as may be desired.

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

1. In a pallet, the combination of a top comprising upper and lower series of wire slats disposed in crossed relation and welded at their crossing points, corner, intermediate and center legs comprising top, bottom and intermediate vertically spaced annular horizontal members, the top member being split, and vertical rods welded to the horizontal members, the top horizontal members being welded to the lower series of top slats, and pairs of bottom rods arranged in spaced pairs and in crossing relation over the bottom horizontal members of the legs and welded thereto and to each other at their crossing points.

2. In a pallet, the combination of a top comprising upper and lower series of wire slats disposed in crossed relation and welded at their crossing points, legs comprising top, bottom and intermediate vertically spaced annular horizontal members, the top member being split, and vertical rods welded to the horizontal members, the top horizontal members being welded to the lower series of top slats, and rods arranged in crossing relation over the bottom horizontal members of the legs and welded thereto and to each other at their crossing points.

3. In a pallet, the combination of a top comprising upper and lower series of wire slats disposed in crossed relation and welded at their crossing points, legs comprising top, bottom and intermediate vertically spaced annular horizontal members, and vertical rods welded to the horizontal members, the top horizontal members being welded to the lower series of top slats, and

rods arranged in crossing relation over the bottom horizontal members of the legs and welded thereto and to each other at their crossing points.

4. In a pallet, the combination of a top, corner, intermediate and center legs therefor comprising top, bottom and intermediate vertically spaced annular horizontal members, and vertical rods welded to the horizontal members, and pairs of bottom rods arranged in spaced pairs and in crossing relation over the bottom horizontal members of the legs and secured thereto.

5. In a pallet, the combination of a top, corner, intermediate and center legs therefor comprising top, bottom and intermediate vertically spaced annular horizontal members, and vertical rods welded to the horizontal members, and bottom rods arranged in crossing relation over the bottom horizontal members of the legs and secured thereto.

6. In a pallet, the combination of a top, legs therefor comprising top and bottom annular horizontal members, and vertical rods welded to the horizontal members, and bottom rods arranged in crossing relation and secured to the bottom members of the legs.

7. In a pallet, the combination of a top, legs comprising top and bottom annular horizontal members, and uprights secured to the horizontal members, the top horizontal members being secured to the top, and bottom rods arranged in crossing relation and secured at their crossing points to the bottom horizontal members of the legs.

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