March 4, 1930. C. H. YOUNG 1,749,270

SKID

Filed Jan. 10, 1928

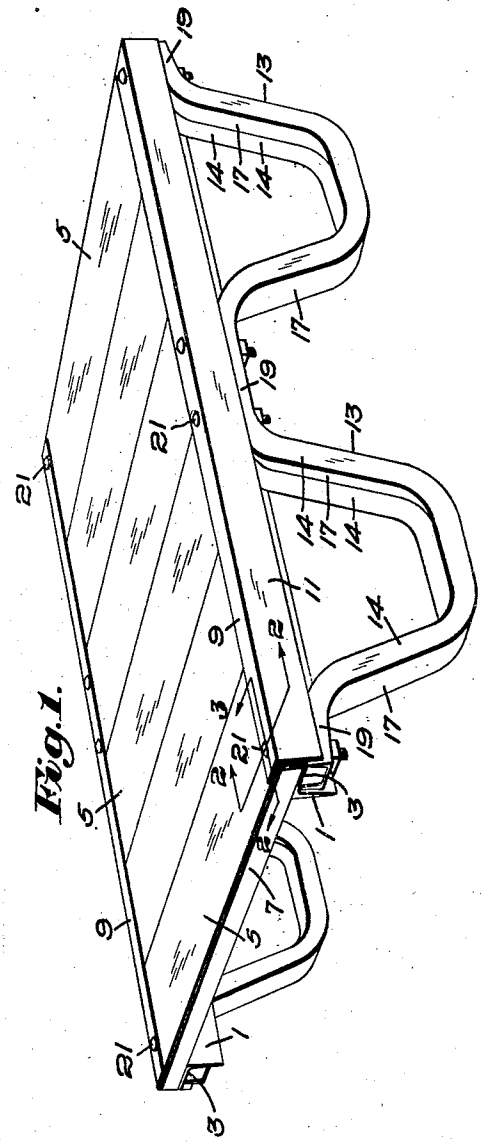


Fig. 1.

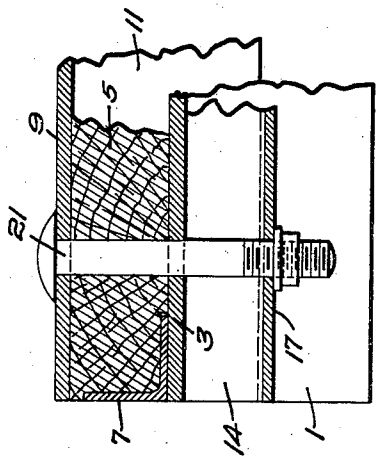


Fig. 3.

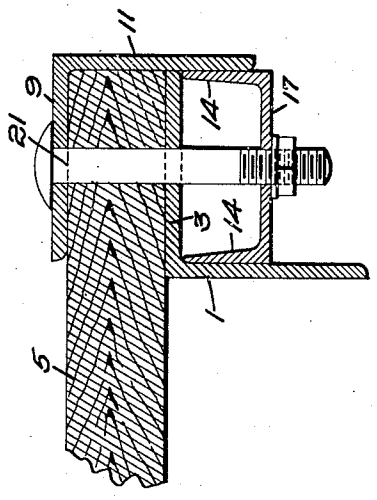


Fig. 2.

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# UNITED STATES PATENT OFFICE

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## SKID

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My invention relates to skids, and particularly but not exclusively to one for use with elevating trucks.

The invention, which has among its objects the provision of a skid of rigid, durable construction adapted to carry heavy loads, will be best understood from the following description when read in the light of the accompanying drawing of a specific embodiment of the invention, while the scope of the invention will be more particularly pointed out in the appended claims.

In the drawing:—

Fig. 1 is a perspective view of a skid constructed according to the invention; and

Figs. 2 and 3 respectively are sections in planes indicated by the lines 2—2 and 3—3 of Fig. 1.

Referring to the drawing, which shows the preferred embodiment of the invention, the skid comprises longitudinally arranged side angle-irons having downwardly directed, vertical webs 1 positioned inwardly of the side edges of the skid and having horizontal webs 3 which extend to the side edges of the skid. As shown transverse floor members 5, preferably wooden planks, rest at opposite ends upon the horizontal webs 3, angle-irons 7 being placed at opposite ends of the floor to protect said ends.

As illustrated the skid at opposite sides thereof has upper longitudinally arranged angle-irons having horizontal webs 9 resting upon the upper surfaces of the floor members 5 and having vertical webs 11 covering the ends of these members and extending downwardly to below the horizontal webs 3 of the lower angle-irons.

Herein the skid comprises legs 13 formed of channel-irons the "heights" of which are substantially equal to the distance between the facing sides of the angle-iron webs 1 and 11. As shown the flanges 14 of the channel-irons are generally upwardly directed in vertical planes so that the webs 17 of the channel-irons form flattened surfaces for contacting with the support upon which the legs rest. At their upper ends the legs have horizontally directed portions 19 so as to provide extensive surfaces for contacting with the vertical angle-iron webs 1 and 11, and to provide for considerable lengths of the upper edges of the flanges 15 contacting with the under surface of the angle-iron web 3. As shown the legs are detachably secured to the skid by means of bolts which extend through aligned perforations in the angle-iron webs 9, floor members 5, horizontal angle-iron webs 3, and webs 17 of the channel-irons.

As illustrated the pair of legs 13 at each side of the skid is formed of a continuous length of channel-iron, which provides that a transverse strain upon one leg will be resisted by the bolts securing all of the legs at the same side of the skid. Also this construction provides for the legs presenting a truss-like structure giving rigidity to the floor at opposite sides of the skid.

It will be understood that the words "horizontal" and "vertical", and words of like import, are used herein in their relative sense to facilitate description of the specific embodiment of the invention shown in the application drawing, and that in the claims said words are to be construed in like sense and not as limitations to any particular position of the skid.

It will also be understood that within the scope of the invention it may be embodied in specific forms widely different from the illustrative embodiment shown herein without departing from the spirit of the invention.

Claims:

1. A skid having, in combination, a pair of angle-irons at each side thereof, the respective angle-irons of each pair having vertically spaced horizontal webs the lower of which is directed toward the side edge of the skid and the upper of which is directed toward the center of the skid, said angle-irons having downwardly directed vertical webs, channel-irons bent to form a plurality of U-shaped legs; adjacent sides of said legs being connected to each other at their tops by elongated horizontal portions of the channel-irons, and the sides of said legs nearest the ends of the skid having at their tops connected elongated horizontal portions of said

channel-irons; said channel-irons having their webs horizontally disposed and their flanges vertically disposed at said portions, said flanges fitting the space between the vertical webs of said angle-irons and contacting therewith, the vertical webs of the upper angle-irons extending over the major portion of the adjacent flanges of said portions of said channel-irons, and floor members having their ends inserted between the horizontal webs of said angle-irons.

2. A skid having, in combination, a pair of angle-irons at each side thereof, the respective angle-irons of each pair having vertically spaced horizontal webs the lower of which is directed toward the side edge of the skid and the upper of which is directed toward the center of the skid, said angle-irons having downwardly directed vertical webs, channel-irons bent to form U-shaped legs with elongated horizontal portions extending from each side of the legs at the tops thereof, said channel-irons having their webs horizontally disposed and their flanges vertically disposed at said portions, said flanges fitting the space between the vertical webs of said angle-irons and contacting therewith, the vertical webs of the upper angle-irons extending over the major portion of the adjacent flanges of said portions of said channel-irons, and floor members having their ends inserted between the horizontal webs of said angle-irons.

In testimony whereof, I have signed my name to this specification.

CLARENCE H. YOUNG.