To all whom it may concern:

Be it known that I, Howard T. Hallowell, a citizen of the United States, residing in Jenkintown, Pennsylvania, have invented 5 Lift-Track Platforms, of which the following is a specification.

One object of this invention is to provide a form of portable platform particularly adapted for use in connection with a lift truck, which being simple and substantial in construction, shall be durable, relatively inexpensive and particularly adapted to withstand rough usage.

A further object of the invention is to provide a lift truck platform with feet of a novel construction particularly designed to avoid damage to the floor or other structure on which it rests, and the invention further contemplates a frame especially adapted to facilitate the proper and quick positioning of a lift truck when it is desired to raise and move a platform with whatever objects may be mounted upon it.

Another object of my invention is to provide a lift truck platform with a novel form of side frame members particularly adapted to serve as guides, which shall not only act to properly position a lift truck while it is being introduced under the platform, but which shall be of such a nature as to present no obstruction which could interfere with the proper positioning of the truck.

These objects and other advantageous ends I attain as hereinafter set forth, reference being had to the accompanying drawings, in which,

Fig. 1 is an inverted plan of another modification of the invention;
Fig. 12 is a side elevation of the special form of foot construction; and
Fig. 13 is a horizontal section on the line 13—13, Fig. 12.

In Figs. 1 to 3 of the above drawings 1—1 are the longitudinal frame members or stringers of my platform and they are preferably constructed of rolled sections,—in the present instance angle irons,—which while for the most part parallel, have the ends of their inner, adjacent faces flared or extended outwardly away from each other as shown.

To obtain this flare in the present instance the ends of the stringers are turned outwardly, as best shown in Fig. 2. These stringers are rigidly connected by a top portion which is this instance consists of a series of parallel wooden planks 2 preferably spaced apart and held to the stringers 1 by bolts 3 whose heads are countersunk in them.

This platform body, formed by the stringers 1 and cross members 2, is provided with four feet, each of which in the present instance consists of a flat plate 4 extending parallel with what is normally the vertical web of the angle section 1 and having riveted to it the flanges 5 of a channel-shaped member 6 coating with it to form a socket of rectangular section for the reception of a wooden block 7. The latter is held in said socket by a series of bolts 8 in such position that it projects beyond the lower end thereof for any desired distance, depending upon its own length and upon its position relatively to the socket in which it closely fits. The upper part of this wooden block as well as of the socket is cut away as indicated in Fig. 3 to permit of access to the nut in the lower end of the adjacent bolt 3 connecting the stringers 1 with one of the cross members 2.

In order to laterally strengthen the connection between the socket structures and the stringers 1 I preferably provide the sides of each of the former with projecting lugs 10 bent outwardly and their upper portions adjacent the horizontal web of the stringers. To this they are connected by rivets or bolts 11.

In that form of my invention shown in Figs. 4, 5 and 6 I have substituted pressed up metal top members 2 for the members 2 which connect the stringers 1, preferably...
forming them in a series of annular corrugations connected by bolts 3° to the horizontal webs of said stringers. In this case as in Figs. 1 to 3 inclusive I preferably form the sockets for the wooden foot members 7 of channel shaped members 6, whose side elements 12 are outwardly flanged and riveted to a flat vertically extending cover plate 4 whose upper end with said flanges 5 is riveted to the vertical element of the stringers 1 with which it is associated.

Obviously if desired without departing from my invention I may omit the plate 4, leaving what is in the present instance the inner side of the socket open. In some instances I may in place of the wooden foot block 7 provide a metal extension 13 in the form of a U-shaped body of heavy strip or bar material whose end members extend into and are connected by rivets 14 to the side walls of the foot sockets.

As in that form of the invention shown in Figs. 12 and 13 I may provide a plain length of channel section 8 for the foot sockets having its open side outwardly and its flat body portion connected with the vertical element of the stringer 1 with which it is associated. In this case also the side elements 12 have their upper ends extended outwardly to form the reinforcing lugs 10 which as before are riveted to the horizontal elements of the stringers while the wooden foot 7 is connected to this channel section by bolts 9 of which certain as before extend into and rigidly connect it with the vertical element of the stringer 1.

In the special form of foot structure shown in Figs. 7 and 8 I journal in each of the foot sockets rollers 15 mounting these on axle bolts 15° so that they project a sufficient distance below the lower end of the socket. In this case the front and rear elements of the socket are connected together and sufficiently braced by transverse bolts 5° and the upper portion of said socket is connected to the stringer 1 with which it is associated, either by bolts, rivets or as in the case illustrated, by welding.

In any case it is particularly to be noted that the platform provided by my invention presents to a lift truck an absolutely unobstructed opening under it between the parallel stringers 1—1, whose vertical elements having their main portions or the adjacent faces thereof, substantially parallel with the ends outwardly flared, serve as guides to facilitate and properly position the truck under the platform. Moreover by the use of the wooden foot blocks I prevent much of the damage now done to the wooden floors of the factories, mills, etc., in which platforms such as that described are used in great quantities.

It is further to be noted that my platform is adapted for quick and convenient construction or adjustment to suit lift trucks of widely varying heights, since the wooden feet 7 may be removed and replaced by others of greater or less length to suit the varying requirements, with the utmost convenience from the manufacturer's standpoint. This constitutes a material advantage since the platforms with their foot sockets may be made up in quantities and supplied with wooden feet of different lengths to suit various requirements.

I claim:
1. The combination in a lift truck platform of two substantially parallel angle sections, a transverse top section connecting said angle sections and constituting the load support, socket members secured to the said angle sections, wooden blocks constituting feet adapted for attachment within said sockets, and transverse bolts passing through said blocks and socket members for detachably securing the blocks within the sockets.

2. The combination in a lift truck platform of two substantially parallel angle sections having horizontal and vertical flanges, a transverse top portion connecting said angle sections and constituting the load support, socket members rigidly secured to the horizontal and vertical flanges of said angle sections and feet removably mounted in each of said sockets.

3. The combination in a lift truck platform of two substantially parallel angle sections having horizontal and vertical flanges, a transverse top portion connecting said angle sections and constituting the load support; socket members rigidly secured to the horizontal and vertical flanges of said angle sections; wooden blocks adapted for insertion within the said sockets and constituting feet for the platform, the upper ends of said blocks abutting the horizontal flanges of said angle sections and the lower ends of said blocks projecting below the lower open edge of the sockets; and means for detachably mounting said blocks within said sockets.

4. The combination in a lift truck platform of two substantially parallel angle sections having horizontal and vertical flanges, a transverse top portion connecting said angle sections and constituting the load support, channel members having outwardly extending lugs at their upper edges for rigidly attaching said channel members to the angle sections to form foot sockets, and feet removably mounted in each of said sockets.

5. The combination in a lift truck platform of two substantially parallel angle sections having horizontal and vertical flanges, a transverse top portion connecting said angle sections and constituting the load support, socket members having horizontal and vertical top and side extensions for attach.
ment to the horizontal and vertical flanges respectively of the said angle sections and feet removably mounted in said sockets.

6. The combination in a lift truck plat-
form of two substantially parallel angle sec-
tions having horizontal and vertical flanges, a transverse top portion connecting said flanges and constituting the load support; flat plates secured to the vertical flanges of the angle sections; channel-shaped members having horizontal and vertical top and side extensions secured respectively to the hori-
zontal flanges of the angle sections and to
each of the said flat plates, said channel-
shaped members co-acting with each of the plates to form sockets; and feet removably mounted in each of said sockets.

7. The combination in a lift truck plat-
form of two substantially parallel angle sec-
tions having horizontal and vertical flanges; a transverse top portion connecting said flanges and constituting the load support; flat plates secured to the vertical flanges of the angle sections; channel-shaped members having horizontal and vertical top and side extensions secured respectively to the hori-
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shaped members co-acting with each of the plates to form sockets; and feet removably mounted in each of said sockets.

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