

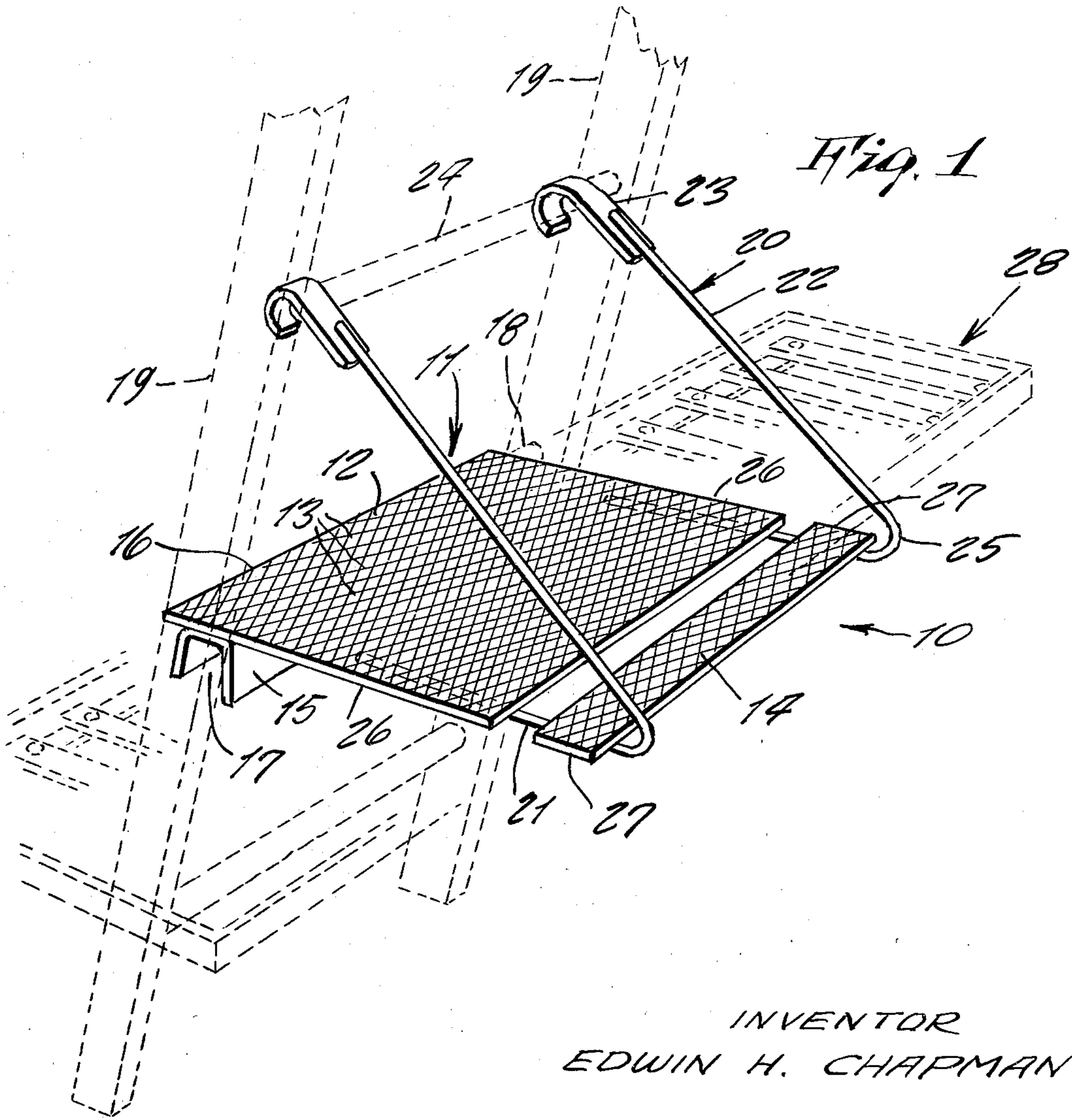
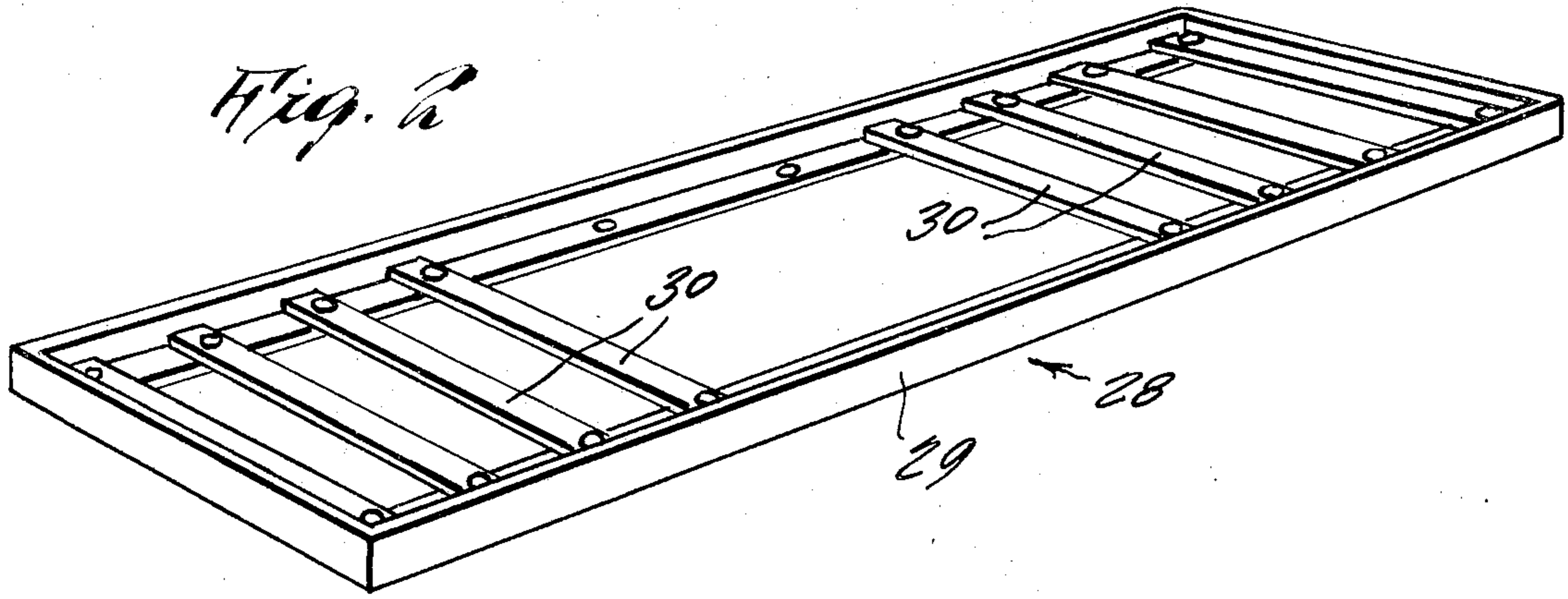
May 12, 1970

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3,511,338

LADDER STAND

Filed Jan. 3, 1969



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LADDER STAND

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Filed Jan. 3, 1969, Ser. No. 788,891

Int. Cl. E06c 7/16

U.S. Cl. 182—121

3 Claims

ABSTRACT OF THE DISCLOSURE

A device for attachment to ladders to form a scaffold so to allow a person to place his feet thereupon in safety and comfort while upon a ladder, the device comprising a platform between the ladder runners, the platform being positioned over one of the rungs of the ladder while a pair of diagonally upward braces secure the opposite end of the platform to an upper rung.

This invention relates generally to ladder platforms. More specifically, it relates to a ladder stand.

A principal object of the present invention is to provide a ladder stand so to allow a person to place his feet thereupon in a comfortable and safe manner while a person is working high upon a ladder.

Yet another object of the present invention is to provide a ladder stand which may be used as a supporting bracket across which an auxiliary platform may be stationarily placed, the auxiliary platform serving to support paint cans and other tools upon opposite ends thereof so to be conveniently located to a person placed upon the ladder stand.

Yet another object of the present invention is to provide a ladder stand for the purpose of supporting one end of a plank or platform which at its opposite end is supported upon a like ladder stand upon a ladder.

Yet a further object of the present invention is to provide a ladder stand wherein all the weight on the stand rests on the top and bottom ladder rungs in such a manner that it has a tendency to pull safely toward a building or supporting wall, instead of dangerously away therefrom.

Still a further object is to provide a ladder stand which is simple to attach to adjacent top and bottom rungs along any point of a ladder.

Other objects of the present invention are to provide a ladder stand which is simple in design, inexpensive to manufacture, rugged in construction, easy to use and efficient in operation.

These and other objects will become readily apparent upon a study of the following specification together with the accompanying drawing wherein:

FIG. 1 is a perspective view of the present invention shown in operative use upon a ladder, and

FIG. 2 is a perspective view of an auxiliary platform which may be used in conjunction with the present invention.

Referring now to the drawing in detail, the reference numeral 10 represents a ladder stand, according to the present invention wherein there is a platform 11 comprised of a flat steel plate 12 having a non-skid waffle pattern 13 upon the upper side thereof that would produce

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an improved frictional grasp. The plate 12 is of generally rectangular configuration and is positioned in spaced relation to a toe plate 14 made likewise of steel plate having a non-skid waffle upper side.

A pair of U-shaped brackets 15 are rigidly affixed to the underside of plate 12 and edge 16 thereof. The U-shaped brackets are in alignment with each other so that a groove 17 of each bracket is adaptable for purpose of receiving a rung 18 of a ladder 19.

A pair of braces 20, made of steel rod, each include a horizontal arm 21 that is secured to the underside of the plates 12 and 14, each brace further including an angularly upwardly extending arm 22 having a steel hook 23 rigidly secured thereto for the purpose of being fitted over a rung 24 located adjacent and upwardly of the rung 18. An acute bend 25 is located between the arms 21 and 22 of each brace 20. As shown in FIG. 1 of the drawing, the braces are located in spaced apart relation and each brace being relatively close to a side edge 26 of the plate 12 and a side edge 27 of the plate 14.

In operative use, as shown in FIG. 1, the brackets 15 are simply fitted over the rung 18 of the ladder while the hooks 23 are fitted over the rung 24, thus providing a safe horizontal platform upon which a person may stand while working upon a ladder.

An auxiliary platform shown in FIG. 2 of the drawing, comprises a member 28 which can be used in conjunction with the ladder stand 10, as is readily evident by the phantom lines in FIG. 1 of the drawing, and wherein the auxiliary platform is simply placed below the brace arms 22 and upon the plates 12 and 14. The platform 28 is comprised of a frame 29 of generally rectangular configuration and having a plurality of transverse extending bars 30 to form a grate at each end of the platform upon which paint cans, tools and various other working equipment may be supported and which thus will be readily accessible to a person while standing upon the ladder stand.

What I now claim is:

1. In a ladder stand, the combination of a platform comprised of a pair of steel plates supported in a generally horizontal position, said plates being secured to a pair of braces for supporting to an upper rung of a ladder, and one of said plates having a pair of brackets secured thereto for support to a lower rung of said ladder, said plates having a non-skid waffle design upon an upper side thereof, one of said plates being of generally larger width than the other, the other comprising a toe plate in parallel spaced relation therefrom, each of said plates being of generally the same length, said plates providing a means upon which a person may stand, each of said braces comprising a steel rod of angular configuration and comprised of a pair of straight arms in acute angle relation to each other with a bend therebetween, one of said arms being secured to an underside of said platform plates, the other of said arms having a hook rigidly secured to a terminal end thereof, said hook comprising a means for grasping said upper rung of said ladder.

2. The combination as set forth in claim 1, wherein each of said brackets comprises a generally U-shaped member secured to the underside of said larger plate and relatively close to one edge thereof, said brackets each having a groove on the underside thereof, said grooves of said brackets being in alignment with each

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other for being fitted over said lower rung of said ladder.

3. The combination as set forth in claim 2, wherein said ladder stand includes a removeable auxiliary platform placeable upon said platform for support thereupon, said auxiliary platform comprising a frame of rectangular configuration and having a plurality of spaced apart bars extending transversely there across near each end thereof upon which various objects such as paint cans, tools and the like may be supported.

4**References Cited**

UNITED STATES PATENTS

| | | | | |
|-----------|---------|--------|-------|---------|
| 407,079 | 7/1889 | Laskey | ----- | 182—121 |
| 464,448 | 12/1891 | Beck | ----- | 248—238 |
| 1,462,086 | 7/1923 | Echlin | ----- | 182—121 |
| 3,375,899 | 4/1968 | George | ----- | 182—122 |

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