Dec. 20, 1966 H. HEISE 3,292,314

MOVABLE HOUSE TENT

Filed Nov. 8, 1963

FIG. 1

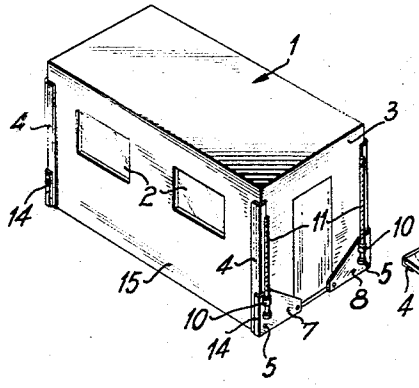


FIG. 2

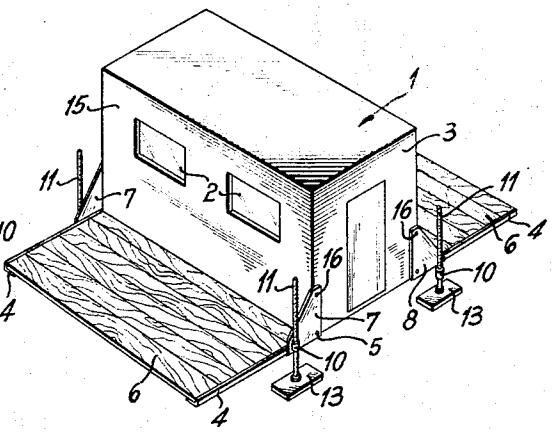


FIG. 3

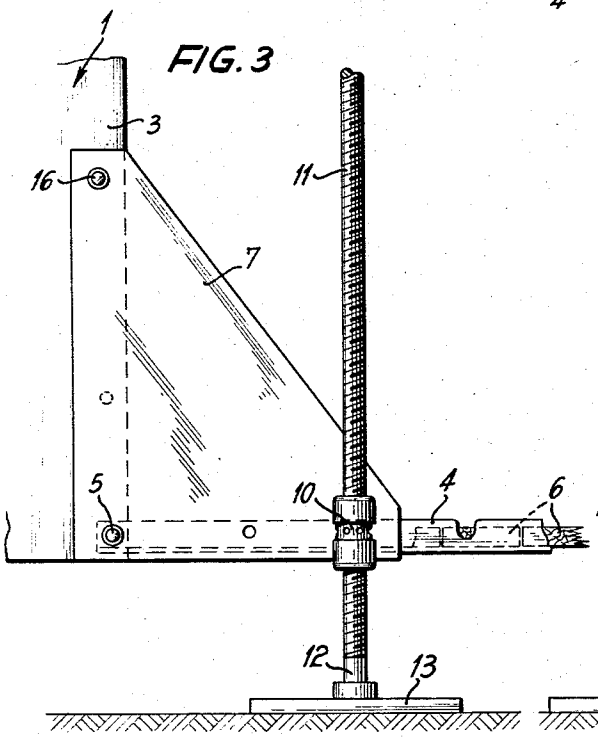
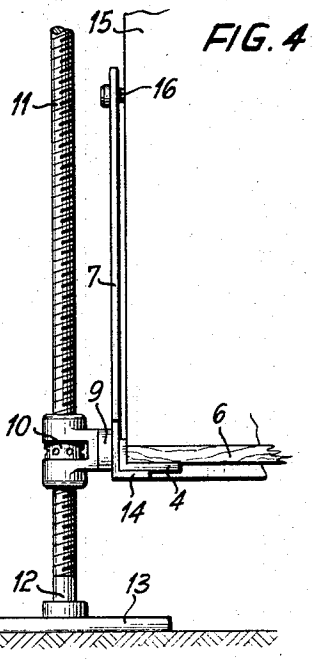


FIG. 4



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MOVABLE HOUSE TENT

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C 29,364
3 Claims. (Cl. 52—79)

The present invention pertains to a preconstructed transportable housing unit with tent attachment.

The primary object of the present invention is to provide a heavy housing unit adapted for conventional transportation for purposes such as emergency units on the site of a catastrophe.

Another object of the invention is to provide a unit of the type described comprising means for loading and unloading which simultaneously serves the purpose of assembly of the unit in the field and which simultaneously also comprises additional means spacing the unit from the ground, ground moisture, ground cold and danger of flood.

Yet another object of the invention is to utilize the loading and unloading means simultaneoulsy as supporting members for solid floors for tent additions.

Still another object of the invention is to limit the dimensions of the unit within the legal limits of vehicles on public highways, roads and streets while fully utilizing the maximum dimensional requirements thus imposed for optimum inner space.

Yet another object of the invention is to equip the units of the type described in such a manner that they may be put up safely on uneven ground.

Still another object of the invention is to provide the unit of the present invention with jack shafts capable of actuation within a very limited space and without excessive requirement of force.

It is a further object of the invention to construct the house unit of the invention in such a manner that it may be unloaded upon rails over which it may subsequently be pulled to the field site or lifted sufficiently to permit slipping of a loading equipment underneath same.

Other objects and the attendant advantages of the present invention will become apparent to those skilled in the art from the attached drawings in which:

FIG. 1 is a perspective view of a house unit of the present invention with the jack shafts closed in assembly ready for transportation.

FIG. 2 is a perspective view of the house unit of FIG. 1 in operative position supported by 4 shafts in assembly with tent floors.

FIG. 3 is a detail of the supporting structure.

FIG. 4 is a view from the right of FIG. 3.

The box-shaped rigid housing unit **1** presenting a rectangular basic form and having openings for windows **2** and doors provided in the front walls **3**, comprises on each of the four outer vertical edges angle irons **4** corresponding approximately to the height of the unit and serving as protection for the edges during transportation. These angle irons have means for being swung outwardly about pivot **5**, so that they may serve as a support for insertable tent floors **6**.

The supporting arms **7**, **8** are triangular sheet metal pieces, which are also swingably mounted to the unit at pivot **5**. Their free ends are provided each with a shaft nut **10** pivotally mounted to the supporting arms by means of pins **9** and in threaded engagement with threaded shafts **11** and which may be rotated with the aid of a ratchet type tool in such a manner that the elongated shafts **11** may be moved axially. The lower shaft end **12** rests upon a loosely arranged pressure plate **13**.

The edge **14** of supporting arms **7**, which is in vertical position when the device is not in operation is bent at a right angle to the broad side **15** of the house unit **1**, as shown in FIG. 1. When the edge **14** extends horizontally (FIG. 3), it serves as supporting edge for the swingable angle irons **4**, which in turn support the insertable tent floor **6**.

In the non-operative position, the supporting arms **7** and the angle irons **4** are fixedly mounted on the front side **3** of the housing unit by means of screw bolts **16**, which extend through aligned bore holes provided in these parts. This holds true also of the swung open position (FIG. 2) where bolts **16** are shown secured in the housing unit. When the device is not in position, the supporting shafts **11** extend parallel to the angle irons **4** which are turned upward to serve as protection of the edges of the front walls of the house unit.

In order to prevent the shafts which are in lifting position, from tipping sidewardly, the shaft nuts may be secured relative to the supporting arm, by fixing pins **9** to the arms so as to avoid their swinging sidewardly. During lifting operation it is recommended that the house unit be supported on all sides.

The tent floors **6** are provided with a roof by means of tent rods and canvas guides using the side walls of the house tent as support in a conventional manner.

A knock-down type of structure as heretofore described can be easily and quickly assembled, disassembled, and moved in a manner to accomplish the objects of this invention.

In use, bolts **16** are removed to allow arms **7**, **8** to pivot about pivots **5** from the position shown in FIG. 1 to the position shown in FIG. 2 and the bolts are then fixed in the unit as shown. Angle irons **4** are also pivoted about the pivots **5** and shafts **11** are pivoted about pins **9** to the positions shown in FIG. 2. Nuts **10** are rotated to raise and level the structure and floors **6** are laid on the channels **4** to complete the erection.

It should be understood, of course, that the foregoing disclosure relates to only a preferred embodiment of the invention and that it is intended to cover all changes and modifications of the example of the invention herein chosen for the purposes of the disclosure, which do not constitute departures from the spirit and scope of the invention set forth in the appended claims.

I claim:

1. A combined housing and tent unit comprising a portable house having walls which meet to define corners, support and leveling means mounted at each corner whereby the house may be mounted level on uneven terrain, and tent floor supporting means projecting laterally from said housing and mounted on said support and leveling means and constituting the sole means for mounting and supporting a tent floor.

2. A device as in claim **1** wherein each said support and leveling means comprises an arm secured to the house, a threaded shaft mounted on the arm, and a nut in threaded engagement with the shaft, said tent floor supporting means being supported by said arm.

3. A combined housing and tent unit comprising a portable house having walls which meet to define corners, an arm pivotally mounted on the house at each corner thereof, means for fixedly securing each arm in one pivoted position against the house and in a second pivoted position extending outwardly from the house, a threaded shaft mounted on each arm, a nut in threaded engagement with the shaft, and an angle iron pivoted on each of the pivots for said arms whereby to provide a support for a tent floor.

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