Nov. 17, 1931. G. A. HANSEN 1,832,023

HOUSE MOVING JACK.

Filed July 26, 1928

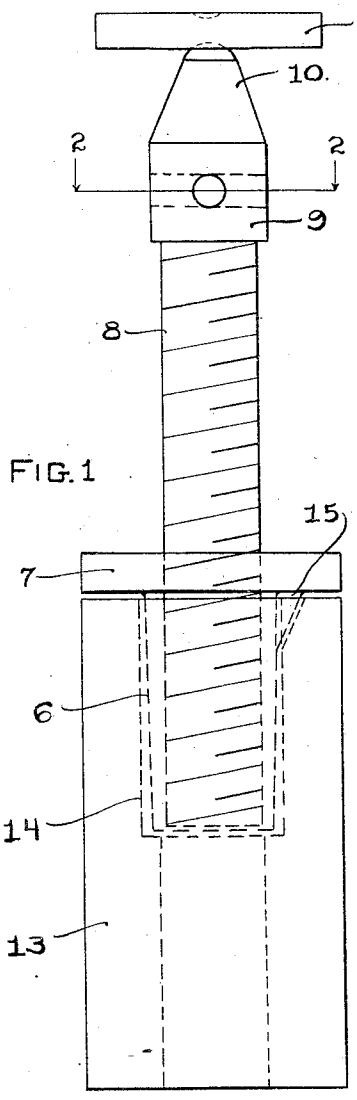

FIG. 1

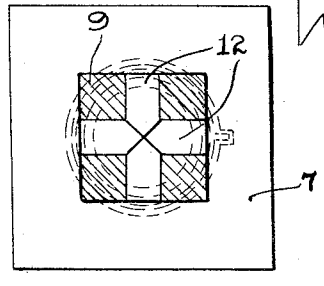

FIG. 2

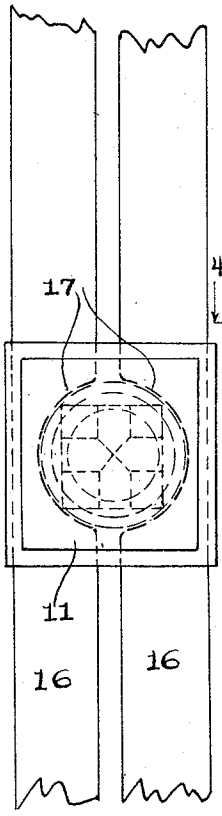

FIG. 5

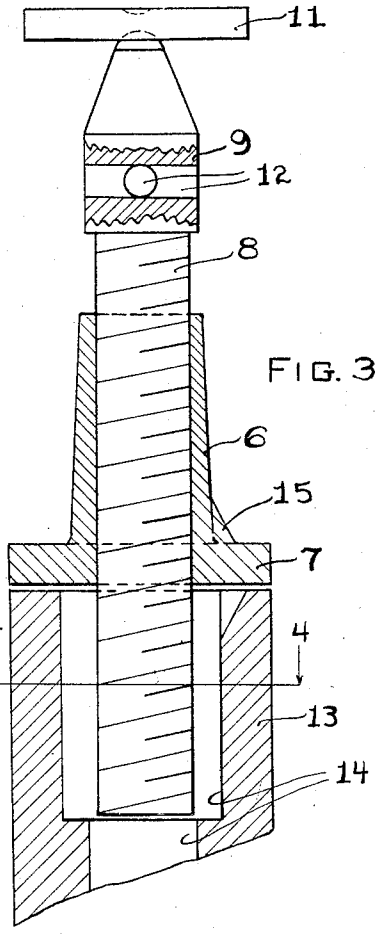

FIG. 3

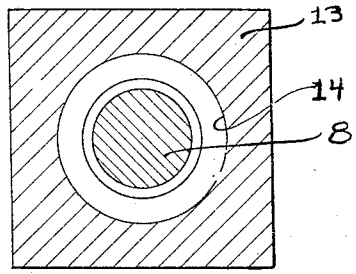

FIG. 4

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UNITED STATES PATENT OFFICE

GUSTAVE A. HANSEN, OF CHICAGO, ILLINOIS

HOUSE MOVING JACK

Application filed July 26, 1928. Serial No. 295,428.

My invention relates to improvements in house moving jacks and has for its object the provision of an improved construction of this character, and which is of simple construction and highly efficient in use.

Another object of the invention is the provision of a jack construction of this character provided with an improved base or support.

Another object of the invention is the provision of a construction of this character provided with improved means for turning the screw thereof.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which

Fig. 1 is a side view of a jack embodying the invention.

Fig. 2, a section taken substantially on line 2—2 of Fig. 1.

Fig. 3, a partial vertical section of the jack showing a slightly different arrangement of the parts.

Fig. 4, a section taken substantially on line 4—4 of Fig. 3, and

Fig. 5, a view showing the jack arranged as supported on two parallel beams.

The preferred form of construction as illustrated in the drawings, comprises an internally threaded sleeve 6 having an enlarged square base or supporting flange 7. A jack screw 8 is threaded to fit through the sleeve 6, as indicated, said jack screw being provided with an enlarged square head 9 having the conical bearing nose 10, adapted to engage the usual bearing plate 11 for obvious purposes. The head 9 is provided across its shortest dimensions with two transverse openings or bores 12, adapted for the reception of a crowbar, or other lever, for turning the jack screw, as will be readily understood. The jack screw construction thus provided is intended primarily for use in conjunction with the usual square wooden barrel, or support, 13, having a central bore 14, adapted and arranged to receive the sleeve 6 and the jack screw 8, and permit the free operation thereof, as indicated in Fig. 1. A triangular web 15 is provided on the sleeve 6 and the base 7 for engagement with the barrel 13 to prevent turning of the base when in the position indicated in Fig. 1.

By this arrangement a jack screw construction is provided having a base bearing on the end of the square wooden barrel 13, substantially equal to the full size of said barrel whereby the jack is endowed with the capacity to withstand great strain without splitting, indenting, or otherwise injuring the wooden barrel. By providing the enlarged square head 9 on the jack screw 8 and extending the openings 12 therethrough across its shortest dimensions, the corner portions of said head are retained intact in full connection with the adjoining portions of the head and screw, whereby great strength is provided for resisting the necessary heavy strains to which the screw is subjected when the long lever is employed in turning the same by insertion in the openings 12.

In the application of the invention illustrated in Figs. 3 and 4, the sleeve is shown as having been reversed on the jack screw 8 and supported entirely outside of the wooden barrel 13. By this arrangement a relatively high reach is imparted to the jack, and at the same time a comparatively great base support also afforded.

In the form of mounting illustrated in Fig. 5, the jack is shown as supported between two longitudinally arranged parallel supporting beams or reels 16. To this end the inner faces of the beams 16 are notched at 17 to accommodate the sleeve 6, and the mounting is employed with the sleeve 6 extending downwardly between the notches 17, as indicated in Fig. 5. Such a construction is employed where it is inconvenient or impossible to employ the wooden barrel 13 as a support for the jack.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I therefore

do not wish to be limited to the precise details disclosed, but desire to avail myself of such variations and modifications as fall within the scope of the appended claim.

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

The combination with a substantially square barrel having a central cylindrical bore, said bore having a cylindrical enlargement at its upper end, of an internally threaded cylindrical sleeve of a size to fit within said enlargement of said bore, and having a substantially square flat bottomed base of substantially the same size and shape as said barrel, a triangular web provided at the juncture of said sleeve and base, there being a corresponding notch in said barrel to receive said triangular web; and a jack screw threaded in said sleeve.

In witness whereof, I have hereunto set my hand this 21st day of July, 1928.

GUSTAVE A. HANSEN.