

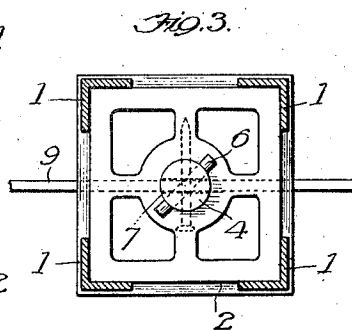
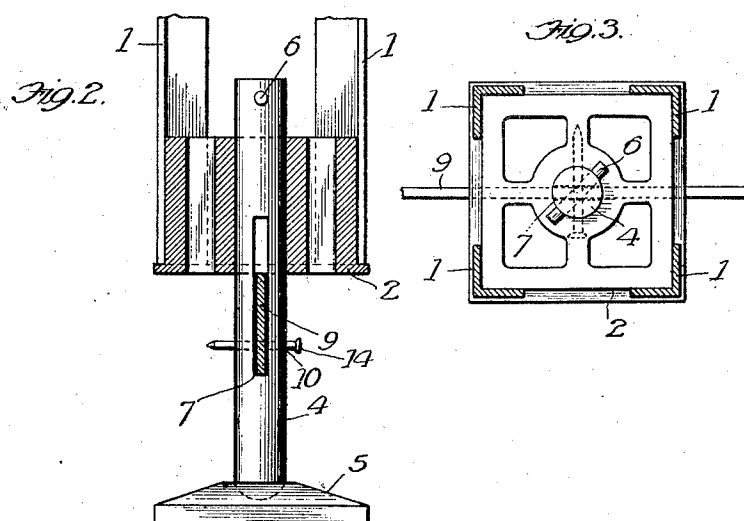
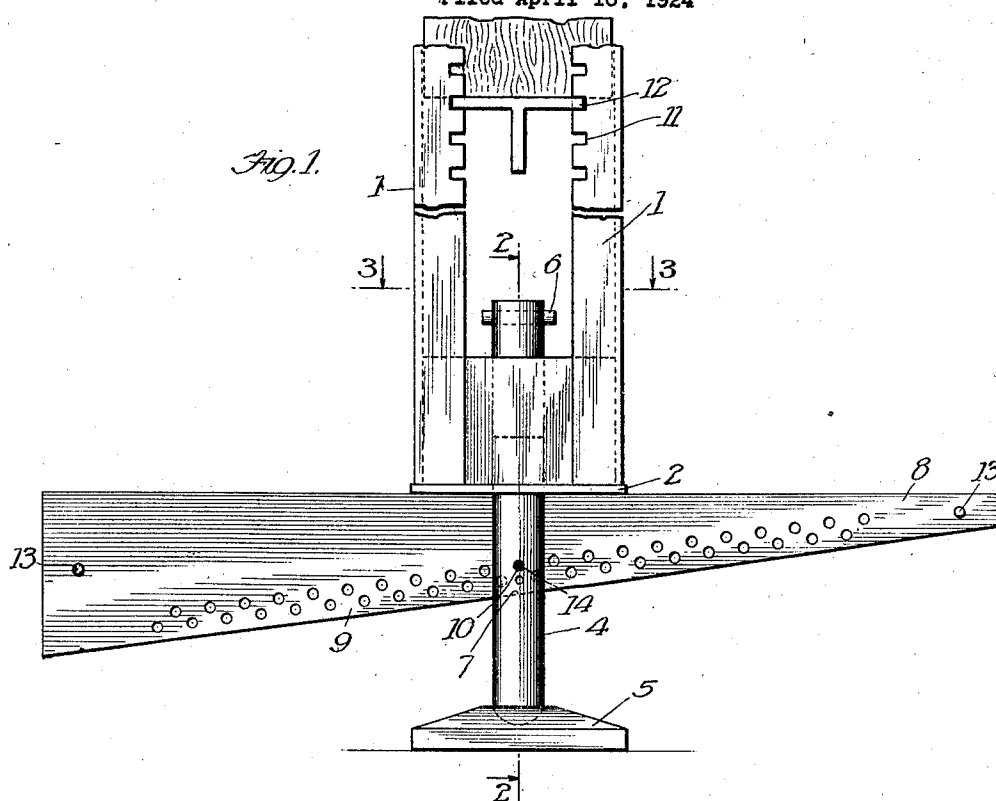
June 16, 1925.

1,541,971

H. H. LAMPERT

WEDGE JACK

Filed April 16, 1924



Witness
Martin Hansen.

Inventor
Henry H. Lampert
By Rummler & Rummler Attys

UNITED STATES PATENT OFFICE.

HENRY H. LAMPERT, OF CHICAGO, ILLINOIS.

WEDGE JACK.

Application filed April 16, 1924. Serial No. 706,955.

To all whom it may concern:

Be it known that I, HENRY H. LAMPERT, a citizen of the United States of America, and a resident of Chicago, county of Cook, and State of Illinois, have invented a new and useful Improvement in Wedge Jacks, of which the following is a specification.

This invention relates to a jack particularly suitable for adjusting shores or props in building construction or in excavating work.

The objects of this invention are to provide a jack conveniently arranged for adjustably supporting a post or shore so as to vertically form a continuation of the shore timber, and to provide, in addition, for its convenient and rapid adjustment in length, and to provide an improved jack construction of this type allowing for both a rapid, coarse adjustment or setting of the shore, to be followed by a fine adjustment as the load comes on or as the work progresses. It is also the object of this invention to provide an economical and highly useful jack particularly designed for use in supporting temporary forms for concrete floors or buildings or for bracing walls in excavation work.

The objects of this invention are accomplished by the construction shown in the drawing in which:

Fig. 1 is a side elevation of the improved jack.

Figs. 2 and 3 are respectively fragmentary details in side and elevation, illustrating the action of the wedge in making a fine adjustment of the length of the shore.

The construction as illustrated comprises a vertically extending frame member adapted to receive rectangular posts commonly employed for the shores of a building. This frame member is preferably formed of vertically extending angle bars to embrace the corners of the shore timber. These angle bars 1 are connected together by a lattice work on one end and the lower ends by riveting to a flange casting 2 forming a head proper of the jack. This casting is provided with an opening through the center which is arranged to fit a vertical post 4, which has a swivel connection with the foot plate 5 and is provided with a stop bar 6. Through the center of the post 4 is

cut a rectangular slot 7 in which is fitted a wedge 8. The wedge is provided with a series of holes 9 which register with the side of the post or with the holes in the post. Notches 11 in the angle bars 1 provide means for supporting a T-bar shelf 12. The ends of the wedge 8 are provided with stop bars 13.

In operation the shore 2 is placed in the rectangular jack frame and supported upon the T-bar member thereby securing a coarse adjustment of the total length of the shore, then the wedge 8 can be tapped with a light sledge at either end making a quick adjustment and a very close adjustment of the total height of the shore. When this adjustment has once been made a pin 14 can be slipped in place securing the wedge at any desired position. The natural position of the pin is at the small end of the wedge next to the post. The stops at the ends of the wedge limit the total action of the wedge, but the means for supporting the T-bar shelf are located at pre-determined positions representing about two adjustments for one movement of the wedge. The stops provided at the top of the circular support and at the ends of the wedge prevent the loss of parts in movement and in transportation.

Particularly of value in this form of jack is its simplicity, ease of adjustment, and dispatch with which it can be loosened and moved.

Although but one specific embodiment of this invention has been herein shown and described, it will be understood that numerous details of the construction shown may be altered or omitted without departing from the spirit of this invention as defined by the following claims.

I claim:

1. A jack comprising a hollow rectangular frame structure formed of a plurality of vertical angle irons, said angle irons being tied together by a rectangular collar and attached at their lower ends by a supporting casting to which angle irons are secured, a centrally located aperture in said casting, a post fitting said aperture in said casting and a supporting base for said post and having swivel connection to said post, a slot in said post, a wedge coacting with the base of said slot and the supporting casting

means for locking said wedge in pre-determined positions, a shelf in said rectangular frame and means for holding said shelf.

2. An improved jack comprising a base, a
5 slotted post having swivel connection to said
base, a casting with an aperture to fit said
10 post, a wedge co-acting between said slot

and said casting, stops on said post and said
wedge, a rectangular shore timber socket
built on said casting, and a shelf supported 10
in said socket.

Signed at Chicago this 8th day of April
1924.

HENRY H. LAMPERT.