No. 829,344. PATENTED AUG. 21, 1906.

J. C. LARSEN.

LIFTING PLATE AND BOLT FOR USE IN MOVING BUILDINGS.

APPLICATION FILED APR. 20, 1905.

Fig. 1.

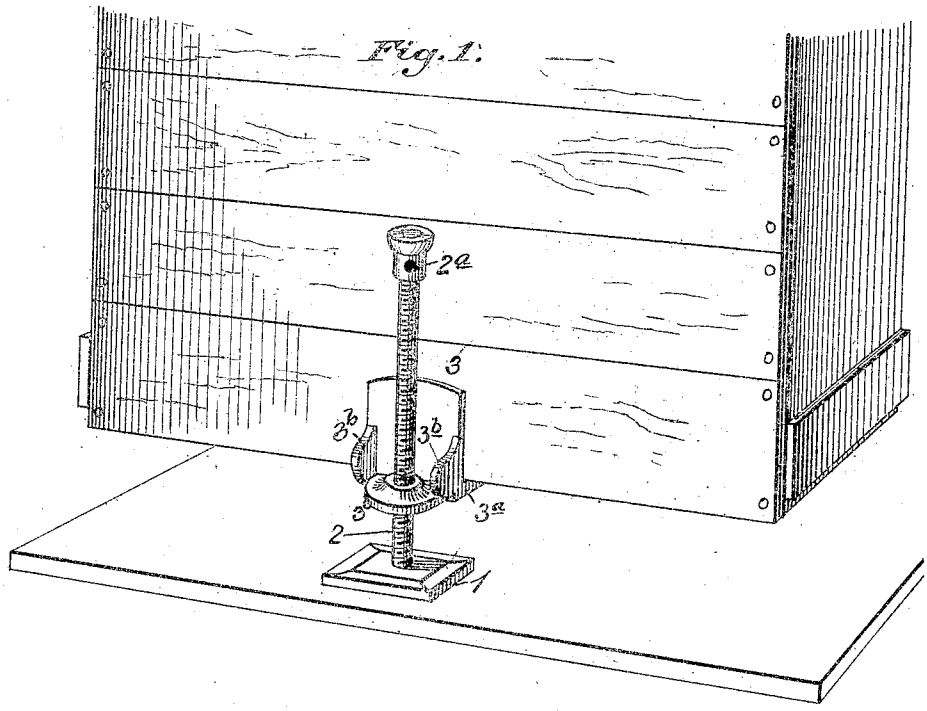


Fig. 2.

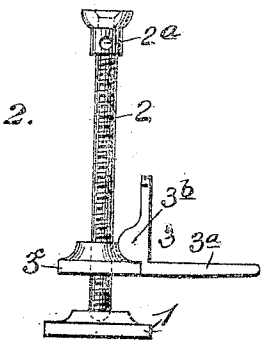


Fig. 4.

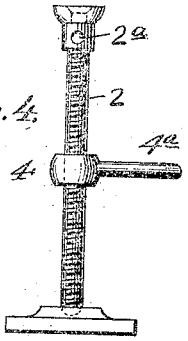


Fig. 3.

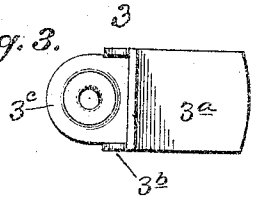
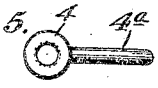


Fig. 5.



Witnesses:

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LIFTING PLATE AND BOLT FOR USE IN MOVING BUILDINGS.

No. 829,344. Specification of Letters Patent. Patented Aug. 21, 1906.

Application filed April 20, 1905. Serial No. 256,560½.

To all whom it may concern:

Be it known that I, JOHN C. LARSEN, a citizen of the United States, residing at Medford, in the county of Taylor and State of Wisconsin, have invented new and useful improvements for raising or moving buildings or heavy bodies when lying close to the ground or wall and a lifting-bolt attached to screw for use when sill is decayed or when necessary to hold building or any object in removing old and putting in new sill, of which the following is a specification.

My invention pertains to improvements in means for jacking up or raising buildings and to effect the same in an expeditious and effective manner; and to these ends it consists of certain features substantially as hereinafter fully disclosed, and specifically pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a perspective view of the same as applied for practical use. Fig. 2 is a side elevation of the invention. Fig. 3 is a plan view thereof. Fig. 4 is a side elevation of the jack having an interchangeable part or member applied thereto. Fig. 5 is a plan view of said interchangeable member.

In carrying out my invention I provide a base member 1, suitably adapted to form a bearing for an upright screw 2, and which screw is threaded through a bracket or "knee" 3, effective for insertion in under the sill of the house or building in providing for lifting or raising the latter. The upper end of said screw is preferably thickened and provided with a lateral passage or socket 2^a, extending clear through the screw and adapted to receive a "handspike" or lever (not shown) for the convenient manipulation thereof. Said knee or bracket is right-angled in general outline for its ready and effective application to the sill along its outer bottom edge and so as to engage the sill both laterally and from below, as disclosed, the advantages of which are apparent. Said knee or bracket has in addition a rearward extension or offset 3^c, projecting beyond its angle, which has the opening through which the screw 2 is threaded or passes. At this juncture the upright member or portion of the knee or bracket 3 is itself also extended, as at 3^b, at its lateral edges to form rearward extensions, which are merged into or produced integral with the extension or offset 3^c for additional strength or reinforcement at those points, as will be readily appreciated.

After the raising of the building or house, during which operation the knee or bracket 3 is in the position upon the screw 2 above indicated, the building is so elevated as to permit of the introduction thereunder of rollers or other means for its retention thus elevated. The screw, with the bracket or knee, may now be removed, as when new sills are required to replace impaired or rotten ones, and an interchangeable member or eye-ended nut 4 be "run" upon the screw after the removal of said knee or bracket, said nut having a bolt-like extension 4^a, adapted for suitable insertion into a previously-prepared opening in the building or house, as inferred from the showing. By suitably manipulating the screw as before done it will be noted that the building or house may be further elevated and the work of repairing or renewing the sills be permitted, with the jack, as above described, entirely out of the way in effecting that purpose.

I claim—

1. A device of the character described, comprising a right-angled bracket or "knee" adapted to engage the bottom and lateral surfaces of the object to be lifted or raised, and having a rearward horizontal extension, and a jack-screw having threaded connection with said extension beyond or rearward of said bracket or "knee."

2. A device of the character described, comprising a right-angled bracket or "knee" whose vertical portion has its lateral edges formed with lateral extensions and its horizontal portion formed with a rearward horizontal extension merging with the aforesaid rearward extensions, and a jack-screw having effective or screw-threaded connection with said rearward horizontal extension.

In testimony whereof I have hereunto signed my name to this specification in presence of two witnesses.

JOHN C. LARSEN.

Witnesses:
GEORGE W. ADAMS,
HERMAN LEICHT.