R. HERMANCE.
Lifting-Jacks.

No. 195,927. Patented Oct. 9, 1877.

Fig. 1

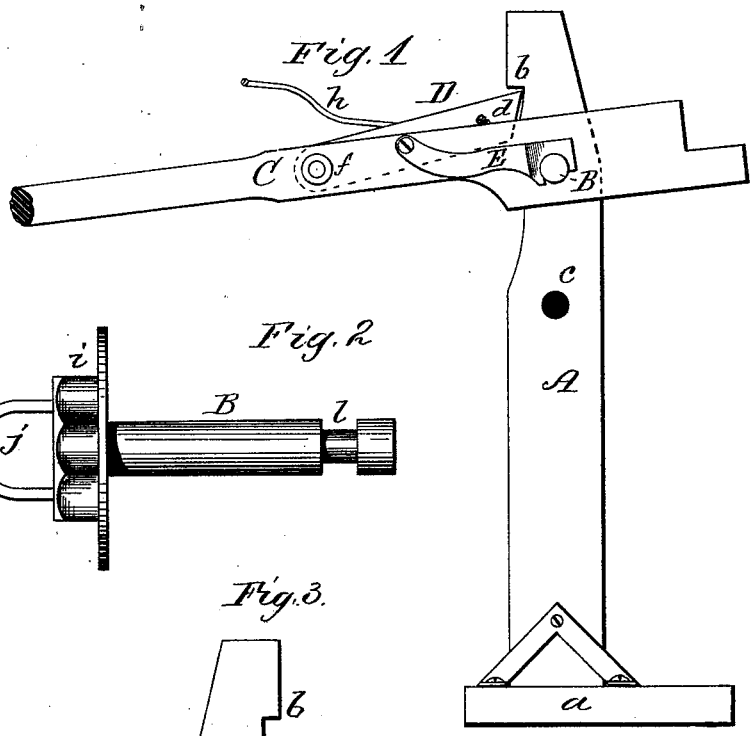


Fig. 2

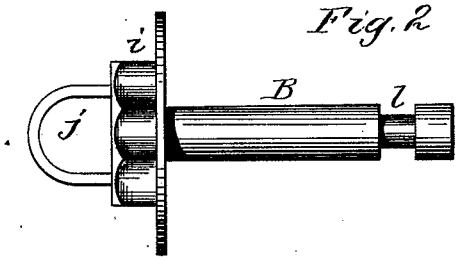


Fig. 3.

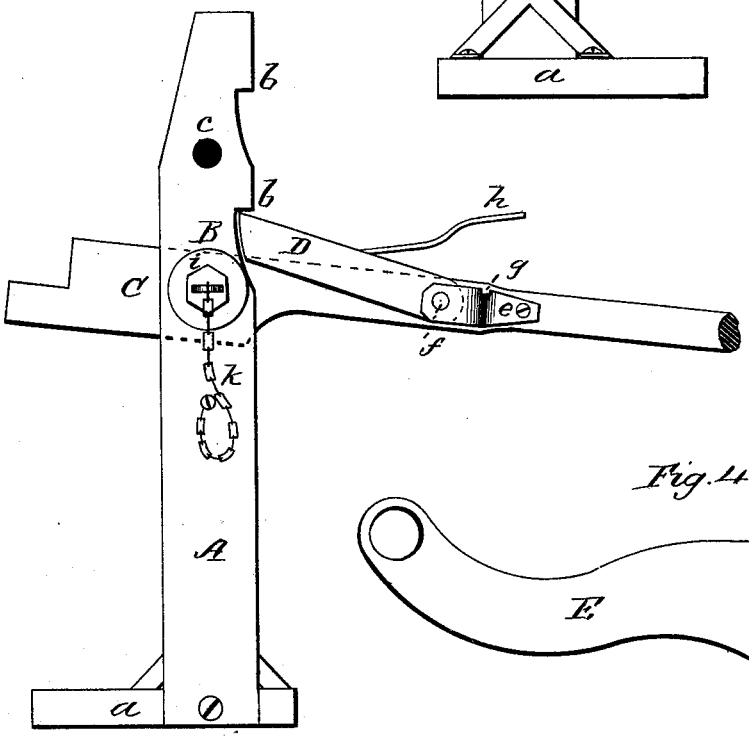
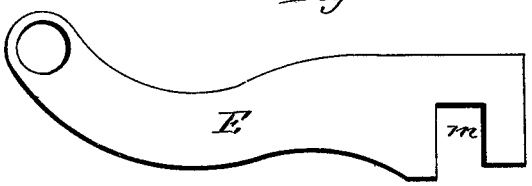


Fig. 4.



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IMPROVEMENT IN LIFTING-JACKS.

Specification forming part of Letters Patent No. **195,927**, dated October 9, 1877; application filed September 18, 1877.

To all whom it may concern:

Be it known that I, ROBERT HERMANCE, of Fort Miller, in the county of Washington and State of New York, have invented a new and valuable Improvement in Lifting-Jacks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side elevation of my invention. Fig. 2 is a detached view of the fulcrum-pin. Fig. 3 is a reverse side elevation of the jack; Fig. 4, a detached view on an enlarged scale of the latch.

This invention has relation to those devices known as "lifting-jacks;" and the object and purpose thereof are to construct a jack simple in its parts, and one that may be easily operated, and, at the same time, admit of being manufactured at a trifling cost.

The invention therefore consists in the general arrangement and combination of the several parts, as will be hereinafter described, and subsequently pointed out in the claims.

In the accompanying drawings, A represents the standard, connected to a suitable base, *a*, said standard being formed with two or more shoulders, *b*, and holes *c*, for the reception of a fulcrum-pin, B. A lever, C, has pivoted thereto a pawl, D, the end of which presses up against the shoulder *b* when the weight of the carriage-axle bears upon the outer end of the lever. A stop, *d*, upon the side of the pawl, prevents the same from dropping down below the lever, and holds the pawl in place, so that when the weight or pressure of the axle bears upon the end of the lever the pawl will be brought up against the shoulder upon the standard. A plate, *e*, which is connected to the lever C, forms a bearing for one end of the pivot *f*, and has a notch, *g*, to receive a handle, *h*, said plate forming a stop for the handle when the latter is used to disengage the pawl D with the shoulder *b*. The fulcrum-pin B is formed with a suitable head, *i*, and hook or ring *j*, and is connected to the standard A by a cord or chain, *k*. The pin B is formed upon one end with a recess, *l*, over and upon which fits a pivoted latch, E, said latch having a recess, *m*. This latch holds the lever C securely upon the end of the pin, and also prevents the latter from becoming disconnected with the standard and lever.

It will be seen that by constructing a jack according to my invention a very simple, cheap, and effective device is obtained, and one that is easily and readily operated.

The standard A may be formed of any suitable material, also the lever and pawl; but, as I desire to cheapen the manufacture of the jack so far as practicable, I prefer constructing them of wood.

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

1. The standard A and pin B, formed with recess *l*, in combination with the lever C and pivoted latch E, having recess *m*, substantially as and for the purpose set forth.

2. The standard A, formed with shoulders *b*, and the pin B with recesses *l*, in combination with the lever C, latch E, pawl D, stop *d*, and handle *h*, constructed to operate substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ROBERT HERMANCE.

Witnesses:

C. W. KEEFER,

HENRY WAIT.