

W. KYLE.
Ladder-Scaffold.

No. 198,947.

Patented Jan. 8, 1878.

Fig. 1.

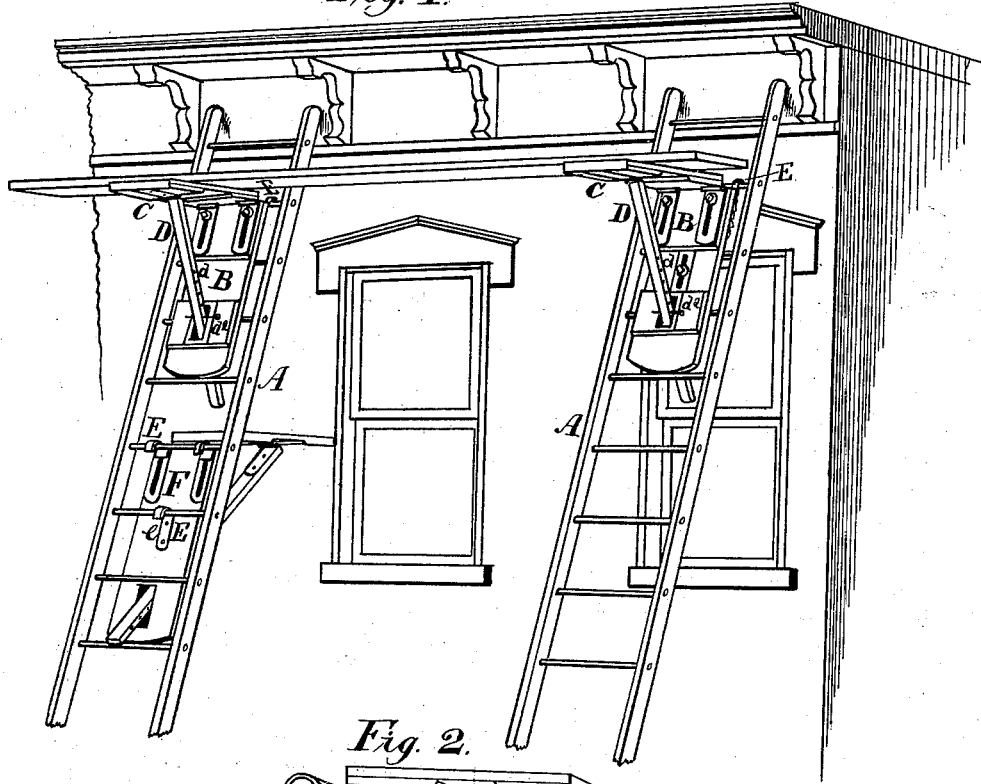
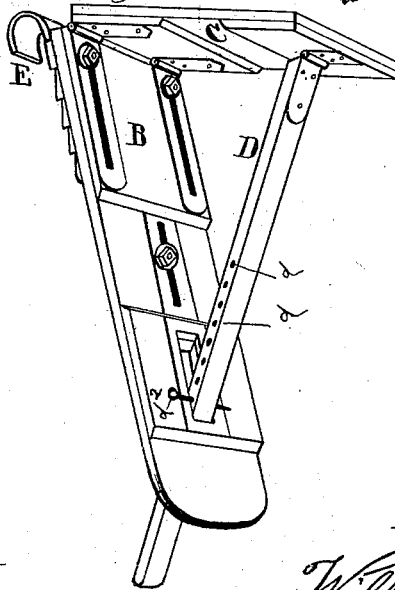


Fig. 2.



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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN LADDER-SCAFFOLDS.

Specification forming part of Letters Patent No. **198,947**, dated January 8, 1878; application filed November 6, 1877.

To all whom it may concern:

Be it known that I, WILLIAM KYLE, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful improvement in jacks to be used in connection with ladders in forming scaffolding, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a perspective view, showing ladders having my improvement attached; and Fig. 2 is a detached perspective view of the aforesaid jack.

The object of my invention is to furnish a device to be used in connection with an ordinary ladder, whereby a ready, safe, and convenient scaffolding may be constructed for painters' or similar use; and consists of a jack so constructed that it may be hung on any of the rounds of the ladder and adjusted for holding boards for a platform, or upon which a workman can stand while working upon the side of buildings.

In the drawing, A A are common ladders, which form the supports for the jacks and scaffolding. These jacks consist of a board, B, to which is hinged a leaf, C. Said leaf is supported at its outer edge by a brace or arm, D, which is also hinged to the under side of the leaf, and passes down through a slot near the lower end of the board B. For adjusting the leaf at the proper angle with relation to the board B, the lever is provided with a series of holes, *d d*, for inserting a pin, *d*², which retains the leaf at any given angle.

On the rear side of the board B are placed hooks E E, for hanging the device onto the rounds of the ladders. These hooks may be made adjustable by being put through slots in

the board B, and secured with nuts and washers, for the purpose of arranging them to ladders that may vary in distance between rounds; but ordinarily the hooks may be permanently attached, as seen at *e*, Fig. 1.

For protection of the wood against wear, metal bearings for the nuts and washers, and for the slot for the lever are attached, as seen.

The use of this device, as will be seen from the foregoing, and by reference to the drawing, is as follows: Two common ladders being placed against a building at a proper inclination and at proper distances apart, the before-described jacks may be carried up and hung where required, the leaf adjusted to the required angle to make it level, and then a board or plank placed on the said jacks, and a safe, simple, and convenient scaffolding is formed.

When the scaffolding becomes too distant from the building, as the work progresses downward, the jacks may be placed on the inside of the ladders, or the side of the ladders toward the building, as seen at F, Fig. 1, again bringing the scaffolding within easy reach for work on the sides of the building.

Having described my invention, I claim—

The device herein described, consisting of the board B, provided with hooks E E and slots for adjustment of the same, and of the brace, hinged leaf C, and hinged brace D, having holes *d* and pin *d*², constructed and arranged to operate in combination with ladders A, substantially as and for the purpose set forth.

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Witnesses:

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