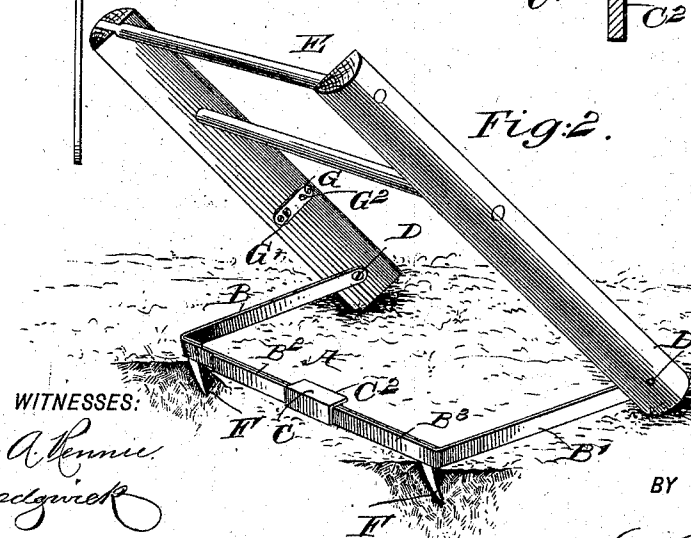
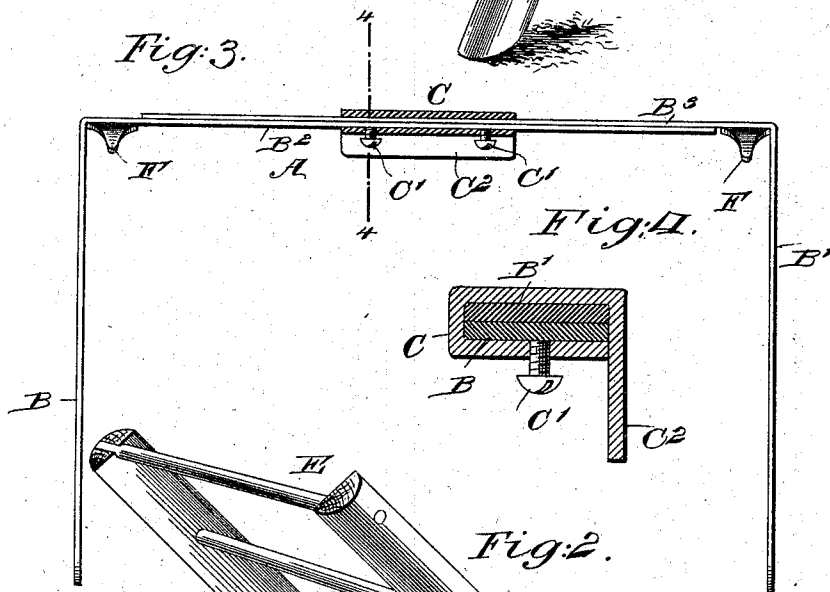
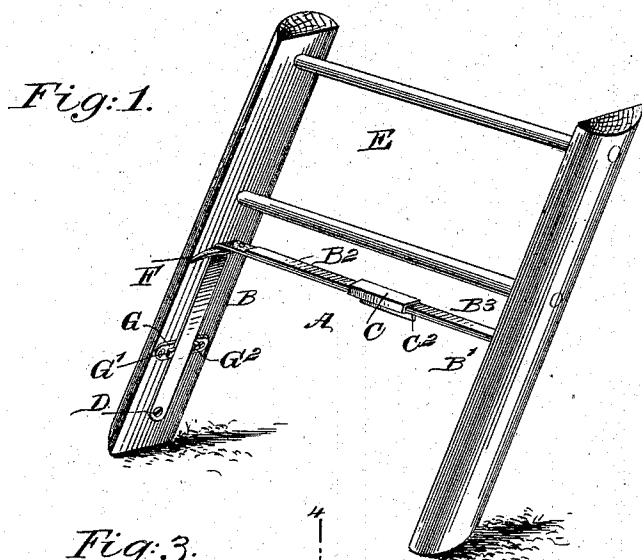


(No Model.)

T. WILKINS.
LADDER ATTACHMENT.

No. 530,374.

Patented Dec. 4, 1894.



WITNESSES:

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THEODORE WILKINS, OF NEW YORK, N. Y.

LADDER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 530,374, dated December 4, 1894.

Application filed March 13, 1894. Serial No. 503,412. (No model.)

To all whom it may concern:

Be it known that I, THEODORE WILKINS, of the city, county, and State of New York, have invented a new and Improved Ladder Attachment, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved ladder attachment, which is simple and durable in construction, and arranged to permit the operator to conveniently and rapidly raise long and heavy ladders without much exertion on his part.

The invention consists of certain parts and details, and combinations of the same, as will be hereinafter described and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improvement as applied and folded up. Fig. 2 is a like view of the same as used. Fig. 3 is an enlarged plan view of the improvement with part in section; and Fig. 4 is an enlarged transverse section of the same on the line 4-4 of Fig. 3.

The improved ladder attachment is provided with an anchor A preferably made in sections B, B', connected with each other by a sleeve C, the said sections being preferably L-shaped, and having their arms B², B³ respectively, engaged by the sleeve C, so as to permit of widening the anchor A to accommodate wider or narrower ladders. The sleeve C fastens the two arms B² and B³ together by a set screw C' screwing in the sleeve and the said sleeve is formed with an extension C² to form a handle to permit the operator to conveniently raise and lower the anchor A, as hereinafter more fully described. The side arms of the sections B and B' are pivotally connected at D to the inner faces of the side beams of the ladder E, near the lower end thereof, as plainly illustrated in Figs. 1 and 2.

The sections B and B' are provided at or near their corners with teeth or prongs F adapted to engage the ground as illustrated in Fig. 2, or any other fixed object, to steady the lower end of the ladder when raising the same.

When the anchor is not in use then it is swung upward between the side beams of the ladder E, and in order to hold the anchor A in position, a catch is provided preferably of the construction shown in Figs. 1 and 2, the said catch consisting of a plate G fastened to the inside of one of the beams of the ladder E, and provided with lugs G' and G² between which passes the side arm of the section B. The rear lug G' is rounded, while the other lug G² is square, the former lug permitting the side arm of the section B to pass over its face into the space between the lugs G' and G², the latter preventing an outward swinging of the anchor, owing to its square form.

When it is desired to raise a ladder, then the operator swings the anchor A downward and presses the teeth or prongs F into the ground and then takes hold of the upper end of the ladder and raises the same, the attachment then forming an anchor to hold the lower end of the ladder in position. As soon as the ladder is raised and placed in proper position against the house or other building or object, the operator takes hold of the handle C² on the sleeve C, and pulls the anchor A upward, to finally engage the side arm of the section B, in the catch between the lugs G' and G². It will be seen that the anchor A is then completely out of the way of the operator using the ladder. See Fig. 1.

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

1. The combination with a ladder, of a bail shaped anchor having the ends of its side members hinged to the inner faces of the side beams of the ladder near the lower end thereof, the said anchor being provided at or near the junction of the side members and the connecting bar with teeth or prongs to engage the ground or other fixed object when the anchor is swung downward, and a catch fastened to the inside of one of the beams of the ladder and adapted to engage said anchor when the latter is swung upward and hold the same between the side beams of the ladder, substantially as shown and described.

2. A ladder attachment, comprising sections adjustable upon each other to conform to lad-

ders of different widths, the said sections having side arms adapted to be hinged on the lower end of a ladder, and teeth or prongs held on the said sections and adapted to engage the ground or other fixed object, substantially as shown and described.

3. A ladder attachment provided with an anchor comprising two L-shaped sections, a sleeve for connecting the adjacent arms of the sections with each other, the side arms of the said sections being pivoted on the lower end of the ladder, and prongs or teeth held on the said sections, substantially as shown and described.

4. A ladder attachment provided with an anchor comprising two L-shaped sections, a sleeve for connecting the adjacent arms of the sections with each other, the side arms of the said sections being pivoted on the lower

end of the ladder, prongs or teeth held on the said sections, and a catch adapted to be fastened on the ladder and adapted to lock the anchor in place on the ladder, substantially as shown and described.

5. A ladder attachment provided with an anchor, comprising two L-shaped sections adapted to be pivoted on the lower end of the ladder, a sleeve connecting the horizontal arms of the sections with each other, the said sleeve being formed with a handle, and prongs or teeth held on the said sections and adapted to engage the ground or other fixed object, substantially as shown and described.

THEODORE WILKINS.

Witnesses:

DANIEL LEVY,
DAVID FRANKLE.