(No Model.)

E. RABER.

LADDER.

No. 434,462. Patented Aug. 19, 1890.

Fig 1.

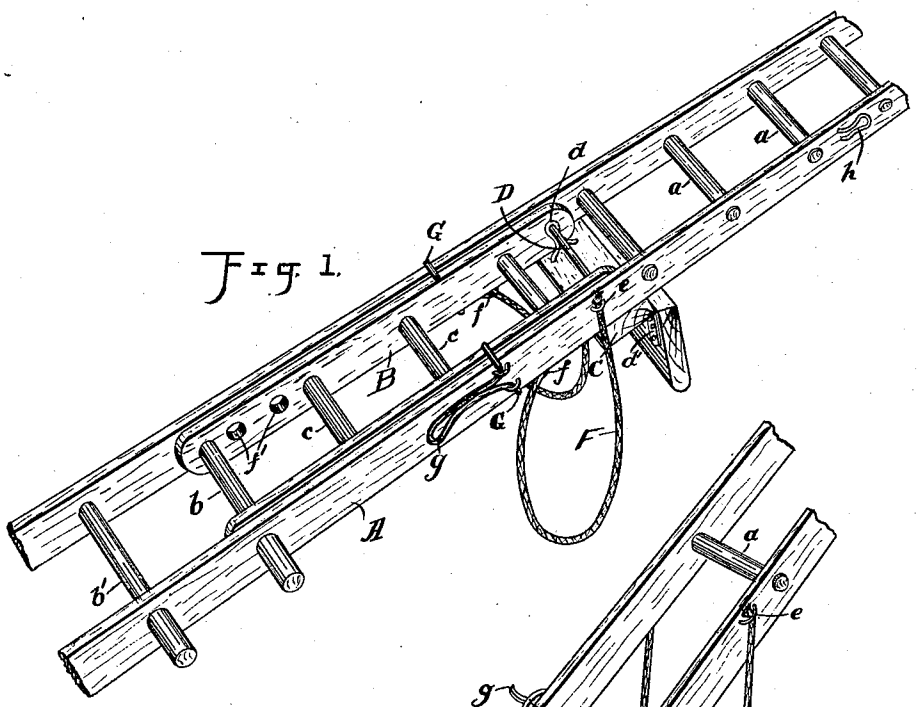
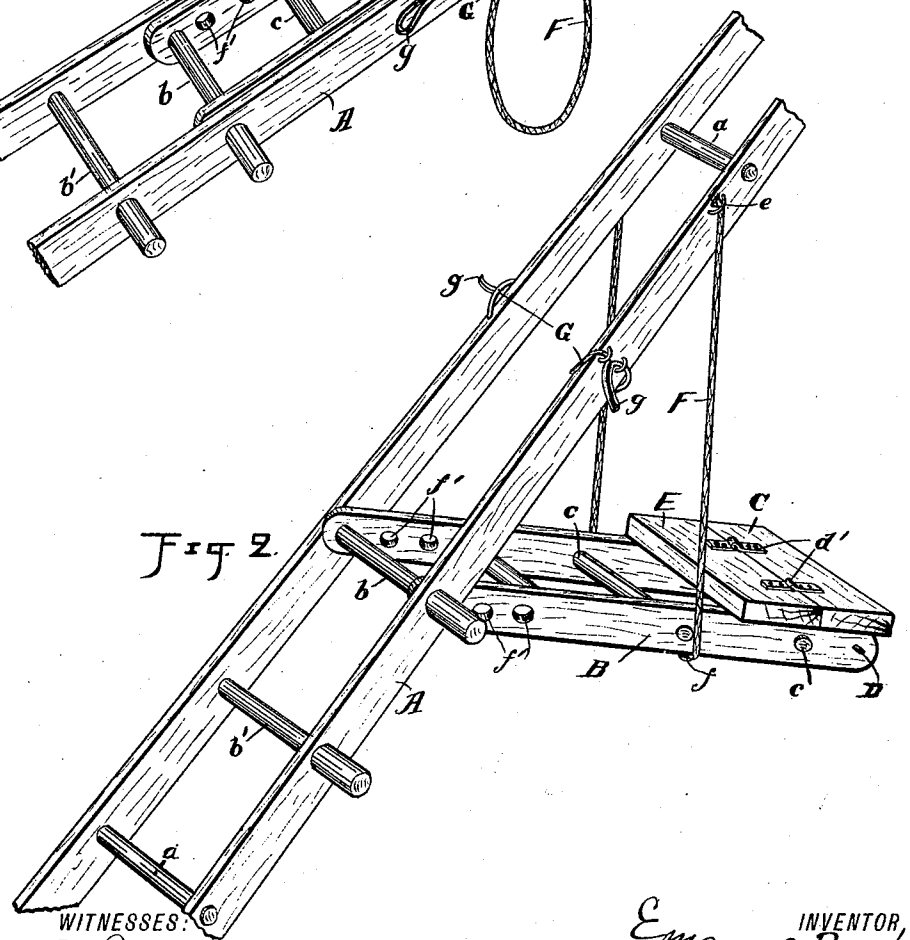


Fig 2.



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UNITED STATES PATENT OFFICE.

EMANUEL RABER, OF CANTON, OHIO.

LADDER.

SPECIFICATION forming part of Letters Patent No. 434,462, dated August 19, 1890.

Application filed June 9, 1890. Serial No. 354,830. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL RABER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Ladders; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view showing the ladder folded. Fig. 2 is a view showing the ladder opened so as to form a platform.

The present invention has relation to ladders; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

In the accompanying drawings, A represents the side rails of the ladder proper, and may be made of any desired length. These side rails A are held the desired distance apart by means of the rungs *a*, which rungs are attached to the side rails A in any convenient and well-known manner. The hinged section B is pivotally attached to the side rails A by means of the rungs *b*. This section B consists of short side rails held the desired distance apart by means of the rungs *c*. These side rails, forming the section B, are located somewhat nearer together than the side rails A, and are so arranged for the purpose of permitting the hinged section B to be received between the side rails A, as illustrated in Fig. 1.

To the free end of the section B is pivotally connected the bar C by means of the rod D and the staples *d*. To the bar C is hinged the bar E by means of the strap-hinges *d'* or their equivalents. These bars C and E are hinged together for the purpose of permitting them to fold out of the way when the ladder is used in the ordinary manner.

In use, when it is desired to form a platform, the section B is placed in the position illustrated in Fig. 2 and held in that position by means of the cord F, which cord is attached to the side rails A by means of the staples *e*. This cord extends around the section B, and is held in proper position upon said section by means of the staples *f*.

It will be understood that by my peculiar arrangement I am enabled to provide a platform below the top of the ladder proper, which will enable a person to stand upon and paint the side of a house or other building below the top of the ladder and above the bottom of said ladder.

For the purpose of adjusting the hinged section B, together with its platform, to or from the side rails A, a series of apertures *f'* are provided, which receive the rungs *b*. For the purpose of securely holding the section B in the position illustrated in Fig. 1, the clamps G are provided, said clamps being pivoted to the side rails A, substantially as illustrated in the drawings.

When it is desired to release the section B, the extensions *g* are moved away from said side rails, thereby releasing the clamps G from said section B, at which time said section is free to be placed in the position illustrated in Fig. 2.

In the drawings two movable rungs *b* and *b'* are shown. These rungs are for the purpose of connecting the hinged portion B to the side rails A and at the same time adjusting the hinged portion B up or down.

For the purpose of adjusting the cord F the hook *h* is provided, which is for the purpose of receiving and holding one end of the cord F, the opposite end of the cord being attached to the opposite side rail A.

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

1. The combination of the side rails A, having pivotally attached thereto the section B, the cord F, adjustably attached to the side rails A, and the hinged bars C and E, substantially as and for the purpose specified.

2. The combination of the side rails A, the hinged portion B, the cord F, the clamps G, provided with the extensions *g*, and the hinged bars C and E, substantially as and for the purpose specified.

3. The combination of the side rails A, having adjustably attached thereto the section B, the bar C, pivotally attached to the free end

of the section B, and the cord F, substantially as and for the purpose specified.

4. The combination of the side rails A, the hinged section B, provided with a series of apertures f', and the movable rungs b and b', the cord F, the staples f, and the hook h, 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.

EMANUEL RABER.

Witnesses:
E. A. C. SMITH,
F. W. BOND.