JOSEPH EDMUNDS.

Improvement in Combined Splice and Safety Hook for Ladders.

No. 124,940. Patented March 26, 1872.

Fig: 1

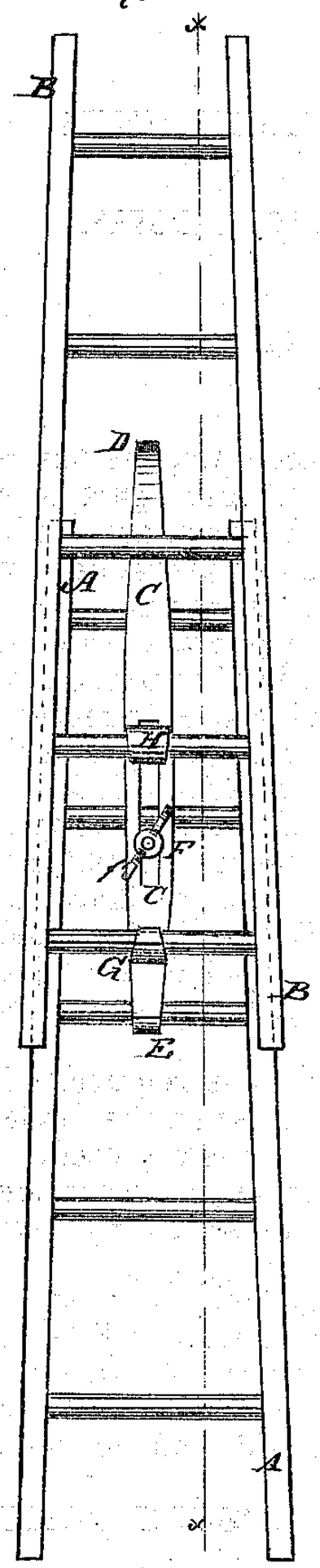
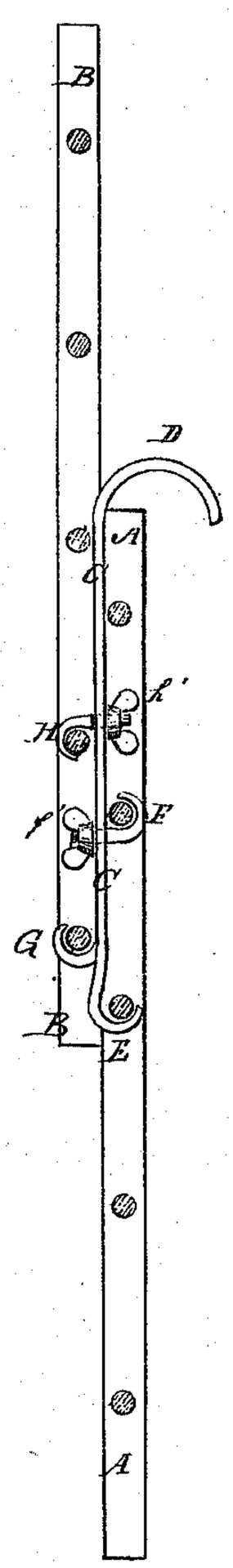


Fig: 2.



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124,940

UNITED STATES PATENT OFFICE.

JOSEPH EDMUNDS, OF SOUTH ADAMS, MASSACHUSETTS.

IMPROVEMENT IN COMBINED SPLICE AND SAFETY-HOOKS FOR LADDERS.

Specification forming part of Letters Patent No. 124,940, dated March 26, 1872.

Specification describing a new and useful Improvement in Combined Splice and Hook for Ladders, invented by JOSEPH EDMUNDS, of South Adams, in the county of Berkshire and State of Massachusetts.

Figure 1 is a front view of my improved device, showing it applied as a splice. Fig. 2 is a section of the same taken through the line *x x* of Fig. 1, and showing an edge view of the device.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish a device simple in construction, convenient in use, and reliable in operation, which shall be so constructed as to adapt it for use for splicing ladders, and for adapting an ordinary ladder for use as a roof-ladder; and it consists in the construction and combination of the various parts of the device, as hereinafter more fully described.

A and B represent two ordinary ladders, about the construction of which there is nothing new. C is a bar of iron, the upper end of which is bent forward to form a hook, D, to catch upon the ridge of a building when the ladder is to be used as a roof-ladder. The lower end of the bar C is bent forward to form a hook, E, to catch upon a round of the ladder, as shown in Figs. 1 and 2. The middle part of the bar C is slotted longitudinally, to receive the shank of the hook F, so that the hook F can be moved toward or from the hook E, according as the rounds of the ladder may be further apart or closer together. The hook F, when adjusted, is tightened upon the round of the ladder by a hand-nut, *f'*, screwed upon its shank upon the other side of the bar C. Upon the other side of the lower part of the bar C is formed, or to it is securely attached a hook, G, to receive a round of the upper ladder B. H is a hook to take hold of another round of the ladder B. The shank of the hook H passes through the slot in the bar C, and is secured in place, when adjusted, by a hand-nut, *h'*, as shown in Fig. 2, so that the hook H may be adjusted further from or closer to the hook G, according as the rounds of the ladder B may be further apart or closer together.

When a roof-ladder is required, the hooks G H are not used, and when the device is used as a splice, the hook D is not used.

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

The slotted bar C having a hook, D, formed upon its upper end, and hooks E G formed upon its lower end, and provided with the adjustable hooks F *f'* and H *h'*, substantially as herein shown and described, and for the purposes set forth.

JOSEPH EDMUNDS.

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