Jan. 12, 1954 W. R. EDWARDS 2,665,952

LADDER PLATFORM

Filed Nov. 26, 1951

Fig. 1

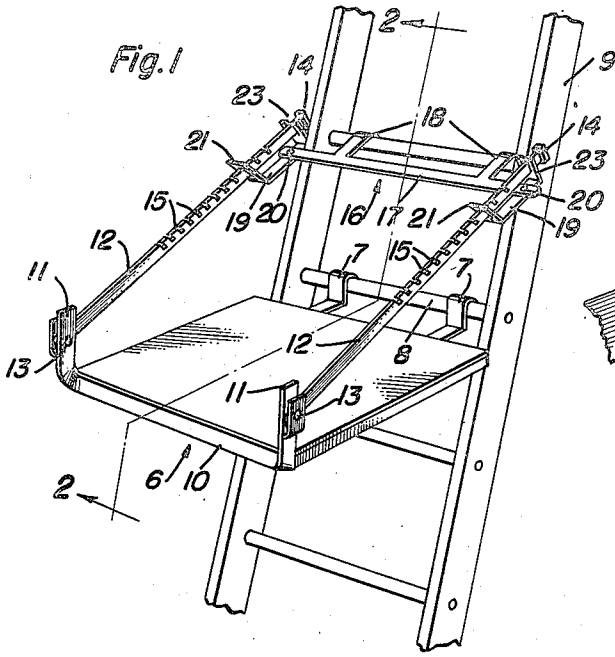


Fig. 3

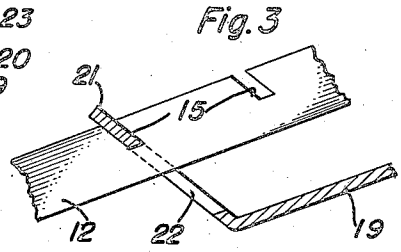


Fig. 2

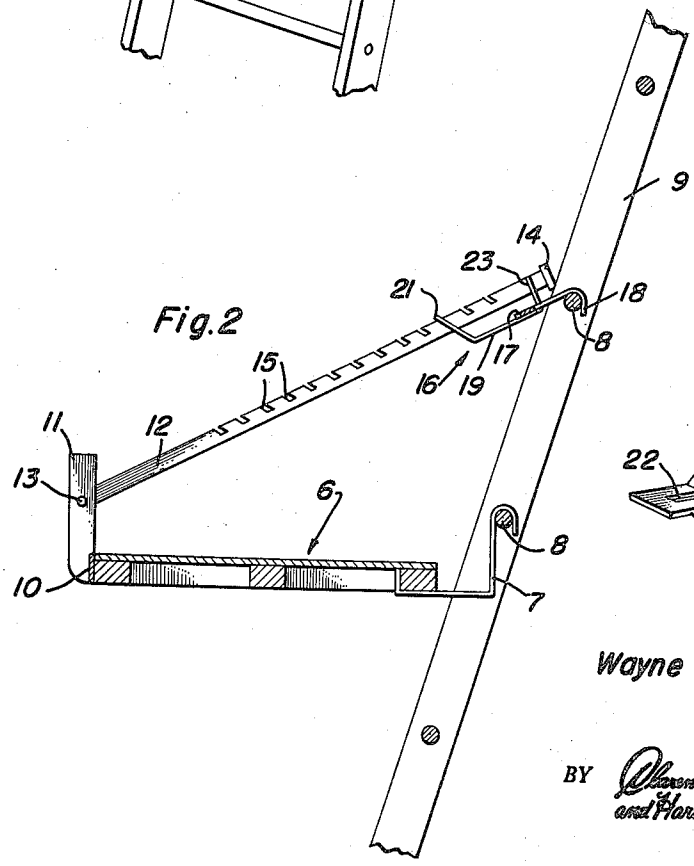
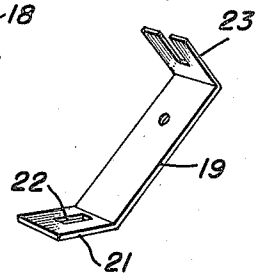


Fig. 4



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LADDER PLATFORM

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1 Claim. (Cl. 304—31.5)

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The present invention relates to new and useful improvements in ladder platforms or attachments and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character which may be removably but firmly mounted at substantially any desired point on a conventional straight ladder.

Another very important object of the invention is to provide a platform of the aforementioned character which may be readily adjusted to extend horizontally from the ladder regardless of the angle of said ladder.

Other objects of the invention are to provide a ladder platform of the character described which will be comparatively simple in construction, strong, durable, reliable and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a perspective view, showing a platform constructed in accordance with the present invention mounted on a ladder.

Figure 2 is a vertical sectional view, taken substantially on the line 2—2 of Figure 1.

Figure 3 is a fragmentary view in vertical section through a portion of the attaching means.

Figure 4 is a detail view in perspective of one of the connecting elements.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a platform 6, of suitable shape, dimensions and material. Fixed on the inner portion of the platform 6 is a pair of angular hooks 7 which are engageable over any of the rungs 8 of the ladder 9 for supporting said inner end of said platform on said ladder.

Mounted on the outer end of the platform 6 is a metallic bar 10 which terminates in upwardly bent end portions constituting standards 11. Arms 12 in the form of metallic bars are pivotally connected at 13 to the standards 11. At their free ends the arms 12 terminate in heads 14. The arms 12 have formed in their upper edges diagonally extending, longitudinally spaced notches 15.

A metallic coupling unit 16 adjustably and removably connects the arms 12 to the next highest rung 8 of the ladder 9. The unit 12 includes a transverse metallic bar 17 having formed integrally therewith, at intermediate points, rung engaging hooks 18. Links 19 in the form of metallic straps are pivotally connected at an intermediate point, as at 20, to the end portions of the bar 17. The links 19 include one end portion 21 which extends at an angle of approximately 45° and which has formed therein a lon-

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gitudinal slot 22 which slidably accommodates the adjacent arm 12. The links 19 further include right angularly bent inner end portions 23 which are bifurcated and which slidably straddle the arms 12.

It is thought that the manner in which the device is used will be readily apparent from a consideration of the foregoing. Briefly, the hooks 7 are engaged over the desired rung 8 of the ladder 9 and the hooks 18 are engaged over the superjacent rung of said ladder. To adjust the platform 6 to a horizontal position regardless of the inclination or angle of the ladder 9, the suspension arms 12 are slid longitudinally through the links 19. The end portions 21 of the links 19 are engageable selectively in the notches 15 for positively securing the desired adjustment. Of course, to remove the device it is only necessary to lift the hooks 7 and 18 out of engagement with the ladder rungs. The construction and arrangement, it will be observed, is such that the device may be expeditiously mounted for use on a conventional ladder without the necessity of making structural alterations therein.

It is believed that the many advantages of a ladder platform constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

Having described the invention, what is claimed as new is:

A ladder attachment of the character described comprising a platform, means for attaching the inner end of said platform to a ladder, and means for attaching the outer end of the platform to said ladder, the second named means including a transverse bar mounted on a rung of the ladder, links pivotally mounted on the end portions of said bar, said links each including an angularly extending end portion having a longitudinal slot therein, arms pivotally mounted on said outer end of the platform and extending slidably through the slots, and heads on the free ends of the arms, said arms having longitudinally spaced notches therein, said angularly extending end portions of the links being engageable selectively in the notches for adjustably connecting said links to said arms, said links further including bifurcated angularly extending end portions slidably straddling the arms.

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