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(57) Abstract :

The present invention relates to a fall arrester system (100) with shock absorption to prevent accidental falls from the ladder. This fall arrester system comprises a fall arrester (101) and a guide rail (102). The fall arrester (101) is made of aluminum, and it consists of two teeth (201,202) and one hook mounting hole (203). The fall arrester (101) is fitted inside the guide rail (102). The user will wear a harness connecting to the hook mounting hole (203) in the fall arrester (101). The fall arrester (101) glides up through the guide rail (102) while going up. The hook mounting hole (203) is present at one side of the fall arrester (101), due to which, during an accidental fall, the fall arrester (101) gets rotated by the weight of the user, which will cause the fall arrester (101) to get stuck in the guide rail (102). This fall arrester slides through a distance before stopping, thus preventing the shock felt by the user due to sudden stoppage. The simple design of the fall arrester (101) results in ease in manufacturing of the product as well as decrease in cost. Fig 1(a) & 2(a)

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