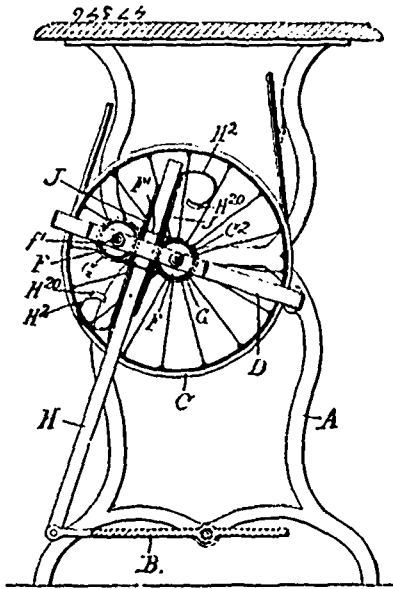
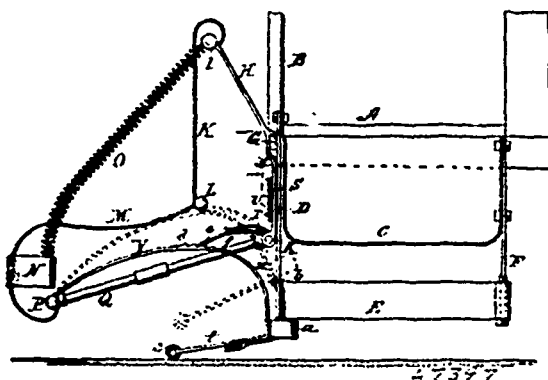


substantially as set forth. 4th. In combination, with the drive-wheel and the mechanism which drives it comprising drums or sheaves clutched to their shafts respectively, the pitman and the cables which connect it to the drums, and elastically yielding stops



for the pitman to yieldingly check its movement before the limits of its stroke in each direction, substantially as set forth. 5th. In combination, with the drive-wheel, the mechanism which drives it comprising drums or sheaves clutched to their driving shafts respectively, the pitman and the cable which connect it to the drums, elastically yielding stops on the pitman adapted to collide with the drums to check the stroke of the pitman before its proper limits in each direction, substantially as set forth. 6th. In combination, with the drive-wheel and the mechanism which drives it comprising drums or sheaves clutched to their driving shafts respectively, the pitman and the cables which connect it to the drums, the spirally coiled spring stops H² attached to the pitman at the opposite ends and adapted to collide with the drums respectively before the limits of the strokes respectively, whereby both the rotation of the drums after the collision and the longitudinal movement of the pitman after the collision tend to put the colliding spring under tension, whose reaction will initiate the return stroke, substantially as set forth. 7th. In combination, substantially as set forth, the drive-wheel and its shaft and the clutch-drum thereon, the shaft f and the clutch-drum thereon, the pulleys on said shafts respectively and the belt which encompasses them, the frame which encompasses both said shafts and affords bearings for them at their ends outside of all the wheels on them respectively, and the pitman reciprocating between the plane of the fly-wheel and the plane of the pulleys, and also between the drums.

No. 47,397. Car-fender. (Défense de chars.)

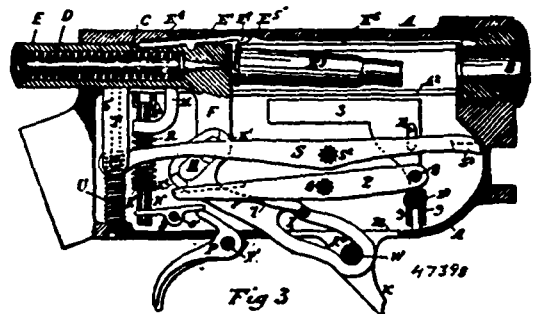


The Darrach Car Fender Company, assignee of Samuel Adger Darrach, both of Newark, New Jersey, U.S.A., 6th November, 1894; 6 years.

Claim.—1st. A car-fender composed of two sections as K, M, jointed together and provided with a scoop jointed to one of the sections and adapted to be depressed or dipped by the swinging of said last named section, substantially as described. 2nd. The combination with a car-fender composed of two sets of springs jointed together, of a swinging-brace for keeping one set of the

springs distended, and a scoop hinged to said fender, substantially as described. 3rd. The combination with a car-fender composed of two sets of springs jointed together, of a swinging-brace for keeping one set of the springs distended, and a scoop jointed at one portion to said fender, and a ledge or rest secured to the car for the free portion of the scoop, substantially as described. 4th. The combination with a car-fender composed of two sets of springs jointed together, of a swinging-brace for keeping one set of the springs distended, yielding or spring guards as O, and a scoop hinged to said fender, substantially as described. 5th. A car-fender provided with a scoop jointed to the fender and adapted to be depressed or dipped by the swinging of the fender, and a detent or lock as c for holding the scoop depressed, substantially as described. 6th. A car-fender provided with a scoop jointed to the fender and adapted to be depressed or dipped by the swinging of the fender, said scoop being provided with spring fingers as Z having their free ends joined by a flexible connection as c, substantially as described. 7th. A car-fender provided with a scoop, said scoop being provided with spring fingers as Z having their free ends joined by a flexible connection as c, and flexible or spring rollers as g mounted on the connection c between the spring fingers, substantially as described. 8th. The combination with a vertically movable car-fender, of a pivoted take-up scoop which is depressed by the upward movement of the fender and operates to bodily take up or pick up a person or object on the track, said fender having its forward portion provided with rollers, substantially as described. 9th. The combination with a vertically movable car-fender, composed of springs made to extend forward and downward, of a pivoted take-up scoop which is depressed by the upward movement of the fender and operates to bodily take up or pick up a person or object on the track, substantially as described. 10th. The combination with a vertically movable car-fender, of a pivoted take-up scoop which is depressed by the upward movement of the fender and operates to bodily take up or pick up a person or object on the track, said fender having its forward portion provided with a strip of canvas or soft material, substantially as described. 11th. The combination with a vertically movable car-fender, of a pivoted take-up scoop which is depressed by the upward movement of the fender, and operates to bodily take up or pick up a person or object on the track, and a shoulder and elastic catch for engaging the fender, substantially as described. 12th. The combination with a vertically movable car-fender, of a pivoted take-up scoop which is depressed by the upward movement of the fender and operates to bodily take-up or pick-up a person or object on the track, and a shoulder and elastic catch formed from a suitably bent spring rod for engaging the fender, substantially as described. 13th. The combination with a vertically movable car-fender of a pivoted take-up scoop which is depressed by the upward movement of the fender, and operates to bodily take-up or pick-up a person or object on the track, and a releasing treadle for depressing said scoop independently of the movement of the fender, substantially as described. 14th. The combination with a vertically movable car-fender, of a pivoted take-up scoop which is depressed by the upward movement of the fender, and operates to bodily take up or pick up a person or object on the track, and a lock for locking the fender against vertical movement, substantially as described. 15th. The combination with a vertically movable car-fender, of a pivoted take-up scoop which is depressed by the upward movement of the fender, and operates to bodily take up or pick up a person or object on the track, and a detent or lock for holding the scoop depressed, substantially as described.

No. 47,398. Firearm. (Arme à feu.)



Thomas Robert Rancey Ashton, Deniliquin, New South Wales, and Edward John Kelly, Terany, Victoria, both in Austria, 7th November, 1894; 6 years.

Claim.—1st. The combination in a firearm of a breech bolt having at its fore-end a downwardly projecting lug, a pin projecting transversely therefrom, and an operating lever having an angler slotted end engaging said pin and having a slotted connection with its pivot pin, substantially as described. 2nd. In a firearm, a breech-block, a locking-block therefor, a pivoted lever S, connected at one end to the bolt locking-block, an operating lever K, and means for operating lever S, through said lever K, substantially as described. 3rd. In a firearm, a breech-block, a locking-block therefor, a pivoted