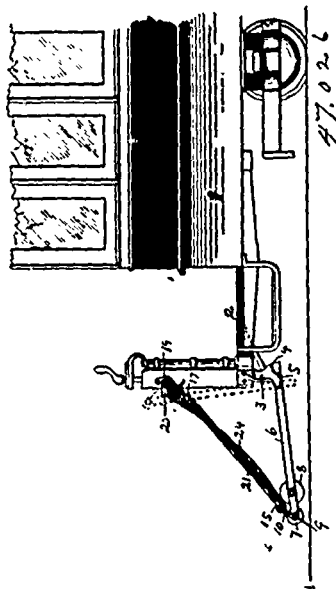


brackets having forked lower ends, of stretcher-bars pivoted in said forks and extending rearward beneath lugs on said brackets, and a netting connected to sustaining bars at the forward ends of the



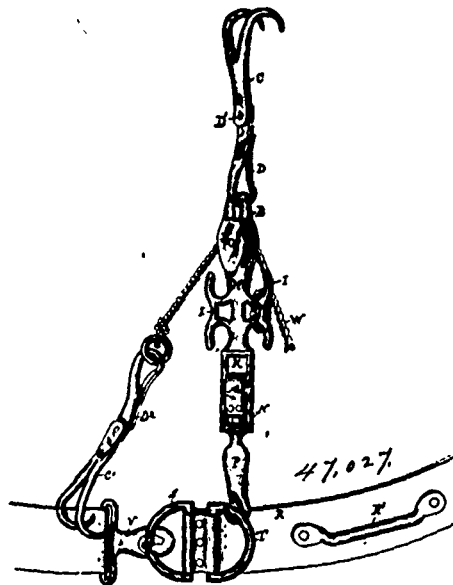
stretcher-bars, and on the end-guard, substantially as described. 2nd. In a railway car, the combination, with the stretcher-bars pivoted to and extending forward of hanging brackets on the car platform, of lateral, flexible sustaining devices detachably connected to sustaining bars at the forward ends of the stretcher-bars and on the end guard of the car, and a netting laced to the attaching strips on the lateral sustaining devices, substantially as described. 3rd. In a railway car, the combination, with pivoted stretcher-bars of flexible, lateral sustaining devices, each enclosed in a sheath, or covering, having a narrow attaching strip provided with openings, and a netting laced to said strips, substantially as described. 4th. In a railway car, the combination, with pivoted stretcher-bars, of flexible, lateral sustaining devices detachably secured at one end to a sustaining bar which unites the forward ends of the stretcher-bars, and at the other end to a sustaining-bar upon the end-guard of the car, and a netting supported by said sustaining devices and bars, substantially as described. 5th. In a railway car, the combination, with stretcher-bars, of flexible, lateral sustaining devices, each consisting of a rope having a snap-hook permanently secured to one end and a ring to the other, said rope being enclosed in a sheath or covering, of canvas or other flexible material, and provided with an attaching strip having a series of apertures, short ropes having snap hooks engaging the rings and secured to loops in a sustaining bar on the end yard of the car, a sustaining bar connecting the forward ends of the stretcher-bars, and having loops which are engaged by the snap-hooks on the sustaining devices, and a netting laced to the attaching strips of the latter, substantially as described. 6th. In a railway car, the combination, with stretcher-bars, pivoted in forked brackets hanging from the car platform, of an elastic concussion-roll journaled in the forward ends of said bars, a sustaining-roll of greater diameter journaled in the forward ends of said bars, a sustaining-roll of greater diameter journaled in said bars immediately in rear of the concussion-roll, and a netting secured to sustaining devices and bars at its sides and ends, respectively, substantially as described. 7th. In a railway car, the combination, with stretcher-bars pivoted in forked brackets hanging from the car platform, of a concussion-roll journaled in the forward ends of said bars, a sustaining bar parallel with the surface of said roll and having arms at its ends provided with eyes which engage the projecting ends of the journals of the concussion-roll, lateral, flexible sustaining devices detachably connected to loops on said sustaining bar and secured to a second bar on the end guard of the car by short ropes having snap-hooks engaging rings on the sustaining devices and a netting laced to attaching strips which form part of sheaths or covers, enclosing the sustaining devices and bars, substantially as described.

#### No. 47,027. Fire Escape. (*Sauveteur d'incendie.*)

Robert Bustin, Boston, Massachusetts, U.S.A., John R. McConnell, Saint Mary's, and James A. Van Wart, Fredericton, both in New Brunswick, Canada, 12th September, 1894; 6 years.

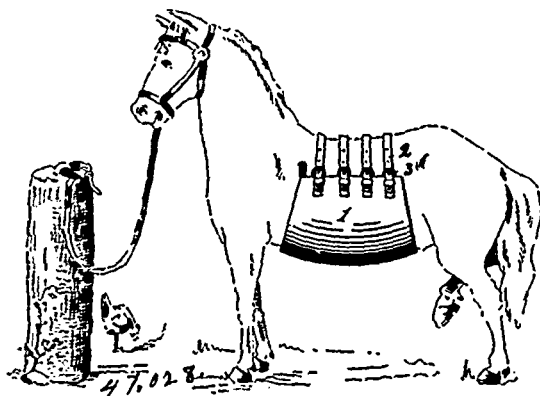
*Claim.*—1st. In a fire escape, the combination with a pulley block and a grappling hook, of a pivotal connection between said block and hook, substantially as described. 2nd. In a fire escape, the combination of a pulley block, means for suspending the same, a rope passing over the pulley in said block, and a belt adapted to be secured to said rope or said pulley block, and provided with a

series of loops or handles, substantially as described. 3rd. In a fire escape, the combination of a pulley block, means for suspending



the same, a pair of cleats located at opposite sides of said pulley block and a rope passing over the pulley in said block and adapted to be turned around one or both of said cleats, substantially as described.

#### No. 47,028. Hot Water Appliance for Treating Horses, etc. (*Appareil à eau chaude pour traiter les chevaux, etc.*)



Robert Bustin, Boston, Massachusetts, U.S.A., John R. McConnell, Saint Mary's, and James A. Van Wart, Fredericton, both of New Brunswick, Canada, 12th September, 1894; 6 years.

*Claim.*—1st. An abdominal pad for the treatment of disease in animals, consisting of a sheet of flexible material provided upon one side with a series of tubes formed or united in one piece with said pad, and a pipe having communication with all of said tubes, at one end of the latter, said pad being provided with straps and buckles, whereby it may be applied to the abdomen of an animal, substantially as described. 2nd. An abdominal pad, for the purpose described, consisting of a sheet of rubber, a series of tubes arranged transversely to the length of said pad and formed or united in one piece with the latter, a pipe arranged along one longitudinal margin of the pad and communicating with all the tubes, the latter being integral with said pipes, and straps and buckles secured to the ends of the pad, substantially as described.

#### No. 47,029. Circular Knitting Machine.

(*Machine à tricot circulaire.*)

The Appleton Automatic Machinery Company, assignee of Charles James Appleton, both of Long Island City, New York, U.S.A., 12th September, 1894; 6 years.

*Claim.*—1st. In a circular rib knitting machine, the combination with the vertical and horizontal needles, and means for actuating them, of hold-down devices and means whereby the said hold-down devices are operated, substantially in the manner and for the purposes described. 2nd. In a circular rib knitting machine, the com-