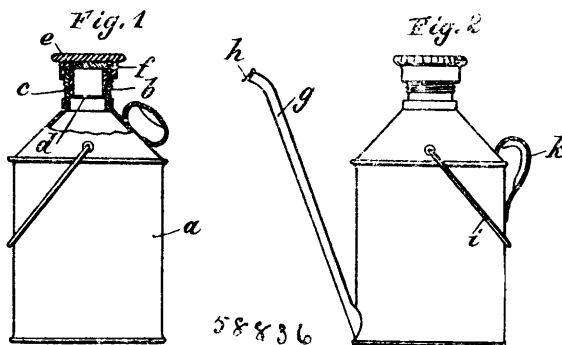


from the frame having its outer face bevelled, an apron depending from the lower edge of the bevelled face, a sectional bottom hinged to the ring, substantially as specified. 9th. In a carpet sweeper a dust collector consisting of a frame, a centrally located ring suspended from the frame having its outer face bevelled, an apron depending from the lower edge of the bevelled face, a sectional bottom hinged to the ring, and springs connected to the bottom sections and to the frame, to normally hold them closed, substantially as specified. 10th. In a carpet sweeper a dust collector consisting of a frame, a centrally located ring suspended from the frame having its outer edge bevelled, an apron depending from the lower edge of the bevelled face, a sectional bottom hinged to the ring, and a band depending from the underside of the frame, having its edge opposed to the top edge of the ring, substantially as specified. 11th. In a carpet sweeper a brush driving mechanism consisting of a frame, a supplemental frame suspended from the said frame having an open bottom, vertically adjustable bearings mounted in the supplemental frame, an axle journaled in the bearings, propelling wheels mounted on the axle, ratchet discs interposed between the propelling wheels, adapted to work in opposite directions and driven from the propelling wheels, a flexible shaft journaled in suitable bearings suspended from the frame, and sprocket chains passing around the discs and flexible shaft, substantially as specified.

No. 58,836. Non-Explosive Filling Can.

(Bilon.)

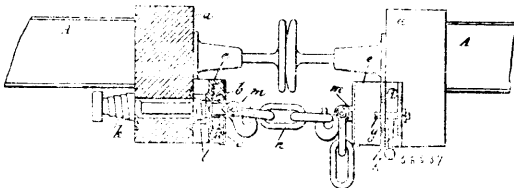


Heymann Hirsch, Chemnitz, Saxony, Germany, 25th January, 1898; 6 years. (Filed 12th January, 1898.)

Claim.—A non-explosive safety can characterized by a filling aperture *b* capable of being hermetically closed, and provided with an insertion *c d* of wire gauze, and a pouring pipe or spout *g* which begins at a short distance above the bottom of the can and has an automatically closing flap *h*, substantially as described and shown.

No. 58,837. Coupler for Railway Vehicles.

(Atelage de chars.)



Paul Buttner and Friedrich Pall, both of Berlin, Germany, 25th January, 1898; 6 years. (Filed 12th January, 1898.)

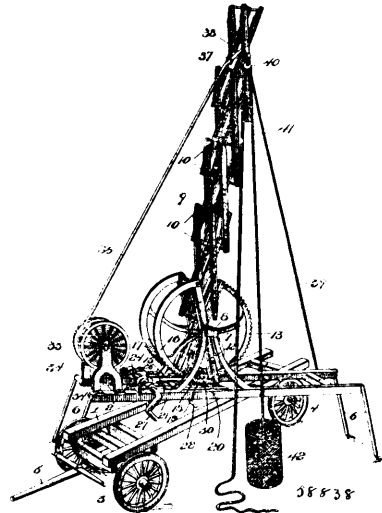
Claim.—A railway car coupling comprising in combination with the draw hook *m*, a box *c*, a slide *b* movable laterally therein and consisting of parts hinged together, said slide carrying said draw hook, and flaps *f* hinged to the box, with catches *g* for fastening same, whereby on unfastening and lifting the flaps, the draw hooks may be drawn laterally to the side of the car, substantially as set forth.

No. 58,838. Fire Escape. (Appareil de sauvetage.)

Carl Ferdinand Ekman, Marshalltown, Iowa, U.S.A., 25th January, 1898; 6 years. (Filed 12th January, 1898.)

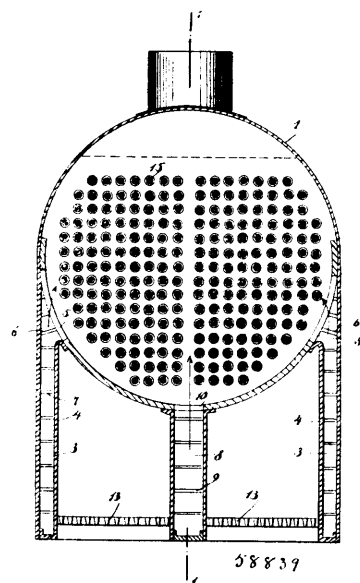
Claim.—1st. In an extension-ladder or hose-pipe tower, the combination of two opposite series of jointed levers, the two series being connected so as to form a lazy-tongs, locking means applied directly to one set of levers, actuating mechanism having direct and positive connection with the other set of levers for extending and folding the lazy-tongs, a locking device for connecting the two set of levers after the lazy-tongs have been extended to the proper distance, and means for releasing the lazy-tongs, whereby the actuating mechanism used for extending and folding the structure can be employed for leaning the ladder or tower in the required direction, substantially as set forth. 2nd. In an extension-ladder or hose-

tower the combination of two opposite series of jointed levers, the two series being connected so as to form a lazy-tongs, a toothed



segment firmly attached to one set of levers, a locking device to engage with the said toothed segment to secure it in a fixed position, a second toothed segment firmly attached to the opposite set of levers, actuating mechanism for moving the second toothed segment for extending and folding the lazy-tongs, and a locking means for securing the two sets of levers after the lazy-tongs have been extended to the required distance, whereby the two sets of levers are secured in locked relation and the ladder, or tower, capable of being leaned in either direction by the same mechanism employed for extending and folding the same, substantially as set forth. 3rd. In combination, a lazy-tongs structure mounted upon a bar, or shaft, toothed segments firmly attached to one set of levers, locking-pawls adapted to engage with the said toothed segments, a shaft having eccentrics to engage with the pawls and operate the same, a second toothed segment attached to the opposite levers, locking-bars for connecting the two sets of levers after the structure has been properly extended, a shaft having a worm-gear to engage with the said second toothed segment, and actuating mechanism therefor, the parts being combined so that the same mechanism employed for extending and folding the structure is used for leaning the same, substantially as described.

No. 58,839. Steam Boiler. (Chaudière à vapeur.)



Melvin de Puy, Buffalo, New York, U.S.A., 26th January, 1898; 6 years. (Filed 12th January, 1898.)

Claim.—1st. A steam boiler, comprising a shell, side water legs communicating at the top with the interior of the shell through trans-