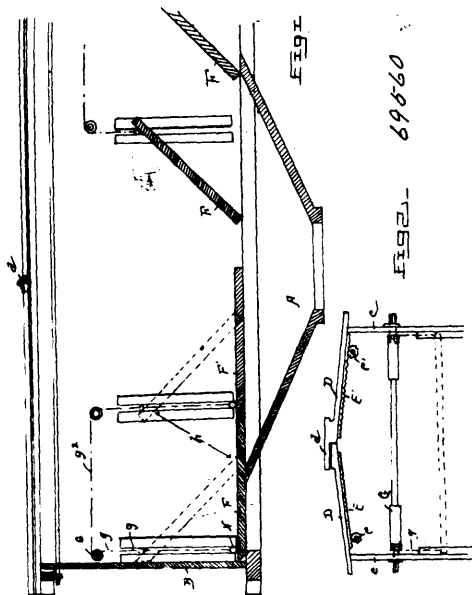


carriers in incandescent mantles, such developers being composed of a mixture of oxides, in which the oxides of indium or gallium are mixed with the oxides or metals of the incandescing earths, approximately in the proportions specified, in combination with a trace of a metal of the platinum group, which causes a catalytic action to be set up as herein set forth. 4th. A mantle for incandescent gas lighting consisting of glucinum aluminate with or without calcium and magnesium oxide or other carriers in which the oxides of gallium or indium are contained, singly or in combination with other oxygen carriers or developers, and with a metal of the platinum group distributed in minute and invisible proportions over the surface of the oxides, whereby a catalytic action is set up, as specified. 5th. A mantle for incandescent lighting consisting of a body of incandescing earth or earths, metal or metals of relatively low light giving capacity, combined with such minerals as indium, gallium, vanadium, as semi-developers, and a metal of the platinum group in exceedingly minute proportions, whereby a catalytic action is secured as herein specified and for the purposes set forth. 6th. In combination, an incandescent earth or earths, metal or metals, of relatively low light giving capacity in itself or themselves, and high melting point, approximately in the proportions specified, as a base, and a metal or metals of the platinum group, in infinitesimal proportion distributed over the base as a developer, thereby causing a true catalytic action as herein specified and for the purposes set forth.

No. 69,560. Freight Car. (Char à fret.)



Franklin O. Cokenour, Allentown, Pennsylvania, U.S.A., 30th November, 1900; 6 years. (Filed 14th November, 1900.)

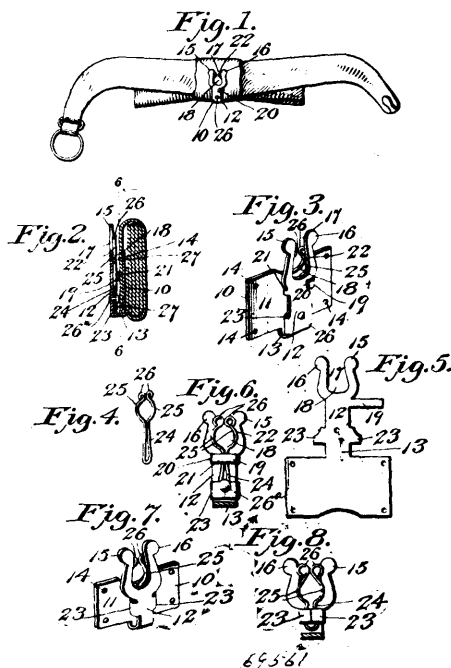
Claim.—1st. In a combined general freight and hopper delivery car, a floor consisting of four adjustable sections arranged in pairs, and means of raising the two sections of each pair at the end nearest the adjacent end of the car, to form separate floor openings and inclines thereto for discharging into the hopper, substantially as set forth. 2nd. In a combined general freight and hopper delivery car, a floor consisting of four adjustable sections arranged in pairs, and means for simultaneously raising the two sections of each pair at the ends nearest the adjacent end of the car, to form separate floor openings, and inclines thereto for discharging into the hopper, substantially as set forth. 3rd. A car having a roof formed in two longitudinal sections parted midway of the width of the car, a running board fixed to one of the said sections and arranged to overlap the other when said sections are in their normal position, and means for moving said sections laterally to open and close the same, substantially as set forth.

No. 69,561. Necktie Fastener. (Attache de cravates.)

Jesse O. Hunt, Cairo, Illinois, U.S.A., 30th November, 1900; 6 years. (Filed 14th November, 1900.)

Claim.—1st. A necktie fastener comprising an attaching plate, a shank parallel therewith and connected at one end thereto and provided at its opposite end with a forked extremity, a spring clasp comprising terminally connected elastic arms normally closed at their free ends across the throat in the forked shank and secured at their connected ends to the inner surface of the shank, and a keeper

loop extending transversely of the shank and attached thereto between the forked end thereof and the point of attachment of the



elastic arms, the said keeper loop embracing the arms just below the button receiving opening and serving to brace said arms at the base of the fork while permitting their extremities to spring freely apart, substantially as described. 2nd. In a necktie fastener, a body struck up from a single piece of sheet metal and comprising a flat plate and a shank which is doubled upon the plate to lie parallel therewith, said shank provided with a forked free extremity and with a laterally projecting arm which lies below said fork extremity and is doubled around the shank to form a keeper on the inner face thereof at the base of the fork, combined with a spring wire clasp fitted against the inner face of the shank within the keeper thereof, and arranged for its bowed arms to be closed normally across the throat of the forked shank, and a fastening for attaching the lower end of the clasp to the shank below the keeper, substantially as described. 3rd. A necktie fastener comprising an attaching plate, an integral shank connected at one end thereto extending parallel therewith and having a fork at its free end, terminally connected spring arms arranged between said plate and shank, and secured at their connected ends to the shank and having their free ends arranged to close across the throat of the fork, and a keeper loop integral with the shank and extending transversely across the inner surface of the shank and embracing the spring arms at the base of the fork, substantially as described. 4th. A necktie fastener comprising an attaching plate, an integral shank connected at one end thereto extending parallel therewith and having a fork at its free end, and terminally connected spring arms arranged between said plate and shank, and secured at their connected ends to the shank and having their free ends arranged to close across the throat of the fork, substantially as described.

No. 69,562. Boiler. (Chaudière.)

Beverly Waugh Rice, Eldred, Pennsylvania, U.S.A., 30th November, 1900; 6 years. (Filed 13th November, 1900.)

Claim.—1st. A boiler, having a manifolded circulating medium, of which each element is in communication at one end with a supply and at the other end with an outlet conveyer and is also in communication at its opposite ends respectively with adjoining elements, substantially as specified. 2nd. A boiler, having a manifolded circulating medium, comprising a series of parallel elements, of which each is in communication at one end with a supply and at the other end with an outlet conveyer and is also in communication at its opposite ends respectively with adjoining elements, substantially as specified. 3rd. A boiler, having a series of concentric shells, each consisting of a manifolded medium, of which each element is in communication at one end with a supply and at the other end with an outlet conveyer and is also in communication at its opposite ends respectively with adjoining elements, substantially as specified. 4th. A boiler, having a drum, a surrounding manifolded circulating medium forming a continuous passage, and a connecting medium between each end of each fold or element of said circulating medium and the drum, substantially as specified. 5th. A boiler, having a series of terminally connected tubular element