

ing annular flange and secured to the body, an annular trough between said body and cover, sealing fluid in said trough, an inverted cup shaped float arranged above the diaphragm portion of the body and having its edge playing in said fluid, a valve stem secured to the float and extending downward therefrom through the central perforation in said diaphragm portion and into the inlet passage, and a valve secured to the lower end of said stem and adapted to close the inlet.

3d. The improved gas governor consisting of a body part of casing having a central inlet in its bottom, an outlet in its side and a top or diaphragm portion centrally perforated, a cover centrally perforated and secured to the body or casing, an annular trough between said body and cover, sealing fluid in said trough, an inverted cup shaped float arranged above said diaphragm portion of the body and having its edges playing in said fluid, a valve stem secured to the float and extending through the perforations in the cover and diaphragm portion and downward into the inlet passage, and a valve secured to the lower end of said stem and adapted to close the inlet.

4th. The improved gas governor consisting of a body part or casing forming the gas chamber and having a central inlet in its bottom, an outlet in its side and a top or diaphragm portion centrally perforated, a centralizing guide within said chamber, a cover centrally perforated and secured to the body or casing, an annular trough between said body and cover, sealing fluid in said trough, an inverted cup shaped float arranged above said diaphragm portion of the body, and having its edge playing in said fluid, a valve stem secured to the float and extending through the perforations in the cover and diaphragm portion, and downward through said centralizing guide into the inlet passage, and a valve secured to the lower end of said stem and adapted to close the inlet.

5th. The improved gas governor consisting of an integral body part or casing, having an inlet in its bottom, an outlet in its side, and a top or diaphragm portion, said diaphragm portion having a part which forms the inner wall of the trough for the sealing fluid, and which also has an annular shoulder or projection on its exterior forming the bottom of said trough, and the central part of which diaphragm portion is perforated and has an external annular recess guarded by a lateral flange, a cover provided on its inner side with a depending annular flange, and having a vertical wall portion forming the external wall of said trough and being secured to said shoulder of the diaphragm portion, sealing fluid in the trough so formed, an inverted cup-shaped float arranged above the diaphragm portion of the body and having its edge playing in said fluid, a valve stem secured to the float and extending through the perforations in the cover and diaphragm portion and downward into the inlet passage, and a valve secured to the lower end of said stem and adapted to close the inlet.

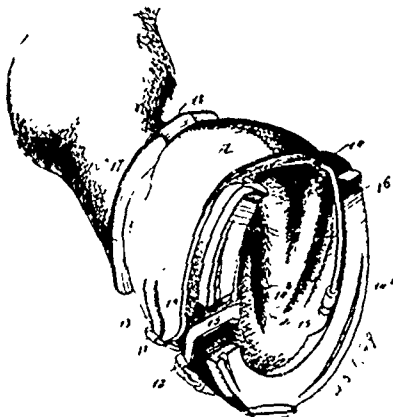
6th. The improved gas governor consisting of an integral body, part or casing having a central inlet in its bottom, an outlet in its side, and a top or diaphragm portion centrally perforated and having an external annular recess guarded by a lateral flange, a cover centrally perforated and secured to the body or casing, an annular trough between said body and cover, sealing fluid in said trough, an inverted cup-shaped float arranged above said diaphragm portion of the body and having its edge playing in said fluid, a valve stem secured to the float and extending through the perforations in the cover and diaphragm portion and downward into the inlet passage, and a valve secured to the lower end of said stem and adapted to close the inlet.

7th. The improved gas governor consisting of a body part or casing forming the gas chamber and having a central inlet in its bottom, an outlet in its side and a top or diaphragm portion centrally perforated, a centralizing guide within said chamber, a cover centrally perforated and secured to the body or casing, an annular trough between said body and cover, sealing fluid in said trough, an inverted cup-shaped float arranged above said diaphragm portion of the body and having its edge playing in said fluid, a valve stem secured to the float and extending through the perforations in the cover and diaphragm portion and downward through said centralizing guide into the inlet passage, and a valve secured to the lower end of said stem and adapted to close the inlet.

8th. The improved gas governor consisting of a body part or casing forming the gas chamber and having a central inlet in its bottom, an outlet in its side and a top or diaphragm portion centrally perforated, a centralizing guide within said chamber, a cover centrally perforated and secured to the body or casing, an annular trough between said body and cover, sealing fluid in said trough, an inverted cup-shaped float arranged above the diaphragm portion of the body and having its edge playing in said fluid, a valve stem secured to the float and extending downward through the perforations in the diaphragm portion and said centralizing guide into the inlet passage, and a valve secured to the lower end of said stem and adapted to close the inlet passage.

9th. The improved gas governor consisting of an integral body part or casing having a central inlet in its bottom, an outlet in its side and a top or diaphragm portion centrally perforated, a cover centrally perforated, provided on its inner side with a depending annular flange, and on its outside with a wall or flange forming an enclosure or weight chamber and secured to the body, an annular trough between said body and cover, sealing fluid in said trough, an inverted cup-shaped float arranged above the diaphragm portion of the body and having its edge playing in said fluid, a valve stem secured to the float and extending through the perforations in the cover and diaphragm and downward into the inlet passage, a weight carrier supported on the upper end of said stem within the weight chamber, and a valve secured to the lower end of said stem and adapted to close the inlet passage.

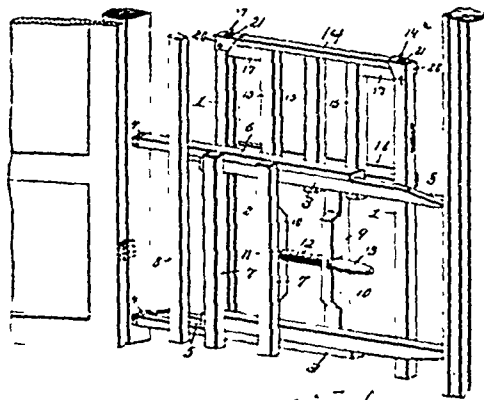
No. 45,699. Quarter Boot. (*Botte de cheval.*)



Joseph Carter, Blyth, Ontario, Canada, 4th April, 1894; 6 years.

Claim.—1st. A quarter boot provided with projections from the lower rear portion thereof, horizontally located and adapted to extend beneath the hoof, and fastening devices adapted to connect the said projections with the body of the boot, as and for the purpose set forth. 2nd. A quarter boot provided with stay rods at the back, whereby the boot is maintained in predetermined shape, and tie rods projected from the back in a forwardly direction beneath the lower portion of the boot, and fastening devices carried by the tie rods and adapted for connection with the body of the boot, as and for the purpose specified. 3rd. A quarter boot provided with a roll or cushion connected with its upper edge, the said roll or cushion being expandible, and tie rods projected from the rear lower portion of the boot in a forwardly direction and adapted to extend beneath the bottom of the hoof, and means, substantially as described, for connecting the outer portions of the said rods with the body of the boot, as and for the purpose set forth. 4th. A quarter boot provided with a tie strap at its front ends and stay rods located at the central portion of the back, stiffening it and preserving the shape at the said point, tie rods projected from the lower back portion of the boot in a forwardly direction, and straps carried by the tie rod, adapted for locking engagement with the front tie strap of the boot, as set forth. 5th. A quarter boot provided with membered stay rod at the central portion of the back, tie rods projected from the lower portion of the back in a forwardly direction, straps connecting the front of the boot, straps connecting the front straps of the boot with the free ends of the tie rods, and an expandible cushion having yielding connection with the upper portion of the boot, as and for the purpose specified.

No. 45,700. Door Fender. (*Défense pour portes.*)



Ira A. Ritz, Newtonville, Massachusetts, U.S.A., 5th April, 1894; 6 years.

Claim.—1st. In a door fender, the combination with a lower stationary section adapted to be inserted in a doorway, and provided with opposite vertical guides, of a vertically movable section arranged in the guides, and means for locking the same in an elevated position, substantially as specified. 2nd. The combination with the opposite vertical guides 1, having their inner sides grooved and their upper ends provided with catches, and the transverse grooved extension-bars 3, having two of their ends projecting beyond one of the guide-bars, of the sliding extension-bars 6, arranged in the grooved bars 3, vertical bars connecting the same, threaded perforations formed in one of the vertical bars that connects the bars 6, and one of those that connects the bars 3, an adjusting screw passing through the perforations, and a sliding