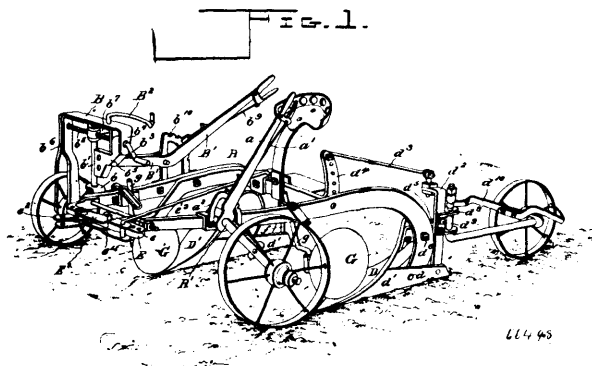
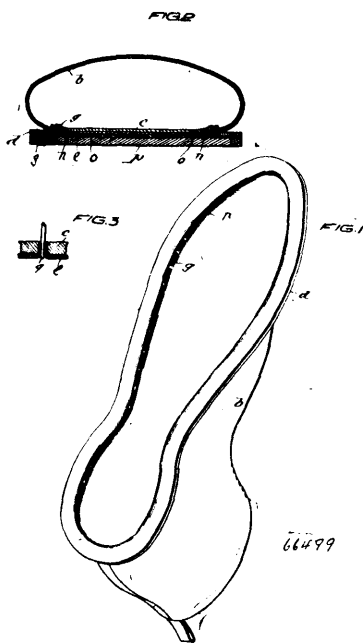


gang plough comprising a frame, a plurality of ploughshares adjustably secured thereto, a bar journaled in said frame, a threaded rod



passing transversely through said bar, a frame supported by said threaded rod, the lower end of said rod forming the axle, substantially as described. 4th. A gang plough comprising a frame, a draft bar secured thereto having a plurality of perforations, a draft plate secured to said bar by means of a pin passing therethrough and engaging one of said perforations, a clevis pivoted to said draft plate, and a tie rod connecting said plate with the frame, substantially as described.

No. 66,199. Boot or Shoe. (Chaussure.)



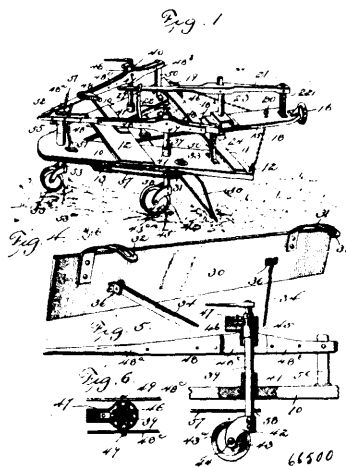
George Alson Slater, Montreal, Quebec, Canada, 6th March, 1900; 6 years. (Filed 22nd February, 1900.)

Claim.—1st. A waterproof boot or shoe having a flexible waterproof lining extending along the line of the means for joining the upper to the sole of the boot or shoe and adapted to be drawn into and plug the holes caused by the insertion of said joining means, to render said holes impervious to moisture. 2nd. A stitched waterproof boot or shoe, having a flexible waterproof lining connected to the insole by the line of stitching that joins the upper to said insole, substantially as described and for the purpose set forth. 3rd. A stitched waterproof boot or shoe, having a flexible waterproof lining connected to the insole by the line of stitching that joins the upper to said insole and a coating of cement for said line of stitching, substantially as described and for the purpose set forth. 4th. In a stitched waterproof boot or shoe the combination of the upper *b*, insole *c*, welt strip *d*, waterproof lining *e*, and a line of stitching *f*, for connecting said parts together, a coating of cement *n*, a filler *o*, an outsole *p*, and a line of stitching *s*, for connecting said outsole to said welt strip, substantially as described and for the purpose set forth. 5th. A stitched waterproof boot or shoe having a flexible waterproof lining connected between the insole and outsole by the

line of stitching that connects the edges of said soles together, substantially as described. 6th. In the manufacture of stitched boots or shoes, placing waterproof material along the line of stitching to be drawn into the needle holes as the stitching of the insole to the upper takes place.

No. 66,500. Road Grader.

(Appareil de régalage pour routes.)



Elijah B. Kirkendall, Leando, Iowa, U.S.A., 6th March, 1900; 6 years. (Filed 23rd March, 1900.)

Claim.—1st. In a road grader, the combination with a frame, of a scraper blade free from pivotal connection with the frame, curved slotted arms secured firmly to the blade to project above the upper edge thereof and applied against said frame, and clamping bolts to fasten the slotted arms to said frame and connect the blade firmly thereto, said arms being adjustable on the frame to vary the pitch to the scraper blade with relation to the plane of the frame, substantially as described. 2nd. In a road grader, the combination of a frame, a scraper blade fastened thereto for adjustment in a direction to vary the pitch of said blade, the keepers fixed to the frame and depending therefrom, and stay links pivoted to said blade and having the notched free ends, said notched ends of the stay links fitted slidably in the keepers and normally engaging, by gravity, therewith to hold the links against endwise movement, substantially as described. 3rd. In a road grader, the combination with a frame and a scraper blade carried thereby, of a tongue keeper secured to the frame and having a horizontal opening, a draft tongue fitted in said keeper and removable therefrom, and from the frame by an endwise movement, draft eyes secured to the front part of the frame at the sides thereof, a looped fixed to the draft tongue, a draft chain connected to said draft eyes and passing through the loop of the draft tongue, and a coupling bolt passing through the tongue and the loop and engaging with a link of the chain, substantially as described. 4th. In a road grader, the combination with a frame and a scraper blade mounted thereon, of a draft tongue connected to said frame, a stay chain attached to the tongue and the frame, and affording a flexible connection between the tongue and the frame to permit adjustment of the tongue in a vertical direction, a vertical spindle slidably mounted in the tongue and having a bearing wheel at its lower end, and a lever fulcrumed on the frame and connected with the spindle for adjusting the latter vertically, substantially as described. 5th. In a road grader, the combination with a frame, a scraper blade, and a draft appliance, of vertical spindles connected to said frame and carrying bearing wheels, means for holding the spindles in positions for the bearing wheels to lie obliquely to the line of draft, and means for adjusting the spindles and bearing wheels vertically, substantially as described. 6th. In a road grader, the combination with a frame, a scraper thereon, and a draft appliance, of bearing wheels connected with said frame for adjustment on vertical axes to lie obliquely to the line of draft, and means for locking the said bearing wheels in their adjusted positions, substantially as described. 7th. In a road grader, the combination with a frame, a scraper, and a draft appliance, of spindles connected with said frame and provided with ratchet devices, a bearing wheel mounted on each spindle for adjustment therewith, and a sleeve supported in operative relation to the ratchet of the spindle and carrying a locking pawl for holding the spindle in its adjusted position, substantially as described. 8th. In a road grader, the combination with a frame, a scraper thereon, and a draft appliances, of vertical spindles fitted to the frame and provided with bearing wheels, a lever fulcrumed on the frame adjacent to each spindle, a sleeve connected to said lever and embracing a ratchet on the spindle, and a locking device supported by the sleeve and engaging with the ratchet, substantially as described. 9th. In a road grader, the combination with a frame, a scraper thereon and a