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cribed, for the the purpose of compelling the gradual admission of steam to the valve-chest, whereby there shall necessarily occur a determinate delay between the commencement of the transmission of steam through said inlet-parsage to shift the valve to admit steam to the lower end of the cylinder, and the actual shifting of the valve, as and for the purpose described. If the combination, with the piston and a steam-moved valve governing the inlet port to the lower end of the said exhaust-passage being constructed, as described. If the valve chest, whereby there will necessarily occur a determinate delay between the opening of side what passage and the shifting of the valve-chest, whereby there will necessarily occur a determinate delay between the opening of side what passage and the shifting of the valve, as and for the purpose described. If the na steam rock-drill, or other analogous machine, wherein the piston is liable to make strokes of variable length, the science and of the valve-chest, both being suitably constructed to the lower end of the valve-chest, both being suitably constructed to the lower end of the valve-chest, both being suitably constructed to the lower end of the valve coverning the distribution of steam to shift the valve, whereby there shall necessarily occur a determinate delay between the opening of said valve, as and for the purpose described. If the valve to admit steam to the lower end of the valve coverning the distribution of steam to the overned the valve chest, being constructed, as described, relatively to the overse onding passage at the other end of said chest, whereby there what he steam-moved valve governing the male chast of said to valve chest, and the steam moved valve governing the site of the valve chest and exhaust passages to the valve the valve the valve chest, whereby there shall necessarily occur a determinate delay between the optice of said passages. If the the purpose described. If the valve dower and of the valve dower and of said thest, whereby there what cribed, for the the purpose of compelling the gradual admission of steam to the valve-chest, whereby there shall necessarily occur a determinate delay between the commencement of the transmission

No. 21,351. Fence. (Clôture.)

No. 21,301. Fence. (Course.) Christian Hanika, Springfield. Ohio. U.S., 1st April, 1885: 5 years. Claim. -1st. The combination, with a fence picket and supporting rail or rails of one or more comments or connecting links adapted to enercle suid picket, and being provided with hook-shaped projections to hook over and under the supporting rait, said hooks being central with r. lation to the central longitudinal line of the pocket, said hooks thereby forming a pivotal connection between the picket and rail, and allowing them to be adjusted at an angle with relation to each other, substantially as and for the purpose described. 2nd. The com-bination, in a fence provided with wooden pickets, iron supporting-rails and connecting links or ornaments, as described, of a locking-plate provided with a screw or spike-shaped projection, adapted to be screwed or driven into the picket, said locking-plate belong provided with arms or lugs adapted to engage with the picket holding links, substantially as ond for the purpose set forth. Srd. The combina-tion, in a fence having wooden pickets and iron or metallic support-i g-rails, of ornamental links adapted to encircle said pickets and hook over and under the said rail, and a locking-plate dapted to be driven into the picket between the said connecting links, and a central projection to prevent the links being accidentally displaced, substan-tially as described. 4th The combination, with the tence picket and supporting-rail. of two coupling links adjacent to one another at lines above and below the supporting-rait, said links being provided with loops at one end adapted to eucricle the picket between the hook of the opposite link extending out in a line with the center of said loors, and in a line, or substantially so, with the center of said loors, and in a line, or substantially so, with the end having pro-jecting hooked arms extending under the supporting rail, and a lock-ing plate adapted to be driven into the picket betwee - the links and having arms adapted to e Christian Hanika, Springfield, Ohio. U.S., 1st April, 1885 : 5 years. scribed. Git. An improved coupling link for faces, one end of which is shaped to correspond with the shaped of the picket in cross section, and having hocks to engage with the supporting rail, substantially as and for the purpose described.

No. 21,352 Vehicle Wheel. (Roue de Voiture.)

Melvin L. Smith, Lockport, and Jonas Terry, Batavia, N.Y., U.S., 1st April, 1885; years.

Ist April, 1857; years. Claim.—Ist. The axle-box A. and the wooden sleeve B, having a flange a, in combination with the collars C, C, having the flanges D, D, and annu ar inner flanges E, E, forming the annular spaces F, F, the nuts H, spokes G, and collars I, I, substantially as and for the purpose shown and described. 2nd. The spokes G, having the heads e, in combination with the spoke socket K, having the socket f, and clips side. g, and the felly having the holes h, bored deeper than the socket and spoke-head, substantially as and for the purpose shown and described.