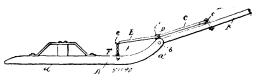
ing retaining points contiguous to its edge, a textile fabric having engagement with the said plate by means of the said retaining points, and a covering plate having its edge portion bent, or curved, to embrace the edge portion of the first-mentioned plate, and having retaining points to be clinched upon the first-mentioned plate and secure the covering plate in position, substantially as set forth. 10th. In a truss pad, the combination with a base plate having lips punched therefrom, of a reinforcing plate held upon the inner side of the base plate by means of the said lips, the said base and reinforcing plates having a series of threaded openings for the reception of the fastening screw whereby adjustable connection is had of the pad with its supporting structure, substantially as set forth. 11th. In a truss pad, the combination with a plate having loops formed therein, of coil springs having their lower ends passed through the said loops, substantially as and for the purpose described. 12th. The herein-specified truss pad, comprising base and bearing plates having retaining points at their edges and having integral loops, coil springs having their ends thrust through said loops, a textile fabric closing the space between the plates and engaged with the said retaining points, and covering plates having retaining points for securing them in place, substantially as described for the purpose specified.

No. 51,190. Tongue Support for Sleighs.

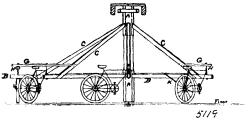
(Support d'armon de traîneaux.)



Erwin W. Anderson, Phinelander, Wisconsin, U.S.A., 3rd February, 1896; 6 years. (Filed 13th Jan., 1896.)

Claim.-1st. The combination with a sleigh and its tongue, and crosspiece pivoted to the upwardly projecting ends of the sleigh runners, of the supporting spring provided with the loop C, secured to the tongue, the straight loterally diverging portions D, secured to the cross-bar, and the two longitudinal arms E, arranged over the runners, and the eyebolts and chains adjustably connecting the rear ends of the said arms with the runners, substantially as set forth. 2nd. The combination with a sleigh, and its tongue and crosspiece pivoted to the sleigh runners, of an adjustable tongue support of a single piece of spring steel and provided with a central loop, diverging middle portion s, and rearwardly projecting arms having hooks at their ends, the hook bolts securing the said support to the tongue and its cross-piece, and the eyebolts and chains secured to the runners and engaging the said hooks, substantially as set forth.

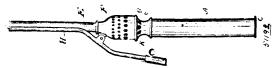
No. 51,191. Machine for Teaching the Art of Bicycle Riding etc. (Appareil pour apprendre à aller en bicycle.)



Avard Herbert Miller, Yarmouth, Nova Scotia, Canada, 3rd February, 1896; 12 years. (Filed 26th December, 1895.)

Claim.—A machine consisting of a central revolving post from which radiate arms at the ends of which are attached bicycle wheels, the whole to be propelled by foot power applied to the pedals as in ordinary bicycling, substantially and for the purposes as hereinbefore set forth.

No. 51,192. Curling Iron. (Fer d friser.)

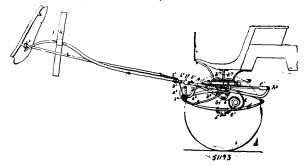


George M. Pitner and William Benton McDonald, both of Chicago, Illinois, U.S.A., 3rd February, 1896; 6 years. (Filed 18th October, 1895.)

Claim. - In a curling iron the combination with a mandrel having a perforate bowl-shaped end, and a clamp, of the hollow handle additional regulator arranged to simultaneously adj forming a receptacle for a combustible, and having its butt end all the adjusted openings, substantially as described.

closed, and a burner e permanently secured in the opposite end of said handle the jet of which projects into said perforate bowl-shaped end, a washer k, of solid insulating material surrounding the jet of the burner and secured to a flange projecting therefrom, and said washer and flange provided with air openings for the purpose specified.

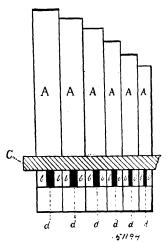
No. 51,193. Appliance for Connecting Animals to Vehicles etc. (Appareil pour atteler les chevaux aux voitures.)



Thomas Hargreaves Briggs, Bradford, England, 3rd February, 1896; 6 years. (Filed 10th January, 1896.)

Claim.—In appliances for connecting draught animals to vehicles and the like of the nature aforesaid, in which a supporting force and a downwardly bearing force are caused to operate on the animal for the purposes aforesaid, the improved combination of parts herein-before described, consisting of: a shaft-frame b, pivotally connected to hind and fore parts of the fore carriage c, and fitted with shafts a, connected to the animal by belly and back bands g, h, and with trace deflecting pulleys i¹, springs e, applied to the fore-carriage and adapted to raise the fore part of the shaft-frame and support the shafts and part of the weight of the animal at the belly band: and traces i, connected to the animal at i^3 , and to the vehicle at i^4 , in a plane below the pulleys i^{i} , and engaging with said pulleys so as to be deflected from such plane and caused to form a downwardly open angle adapted to convert the forward pull of the animal into a downward thrust operating directly on the shaft frame and variably counteracting or overcoming the supporting tendency of the springs, and in the latter event applying a downward pressure to the animal through the back-band: by which improved combination of parts both the supporting force and the counteracting downwardly bearing force are caused to operate on the animal directly through the shafts which are also used in the ordinary manner for guiding and backing the vehicle, as set forth.

No. 51,194. Organ. (Orgue.)



George W. Scribner and William McIntosh, London, Ontario, Canada, 3rd February, 1896; 6 years. (Filed 8th April, 1895.)

Claim.—1st. A series of organ pipes, having openings provided with individual regulators in combination with an additional regulator arranged to simultaneously adjust the size of all the adjusted openings, substantially as described. 2nd. A series of organ pipes openings, substantiany as described. And individual regulators to adjust said openings of equal length, and individual regulators to adjust said openings, substantially as described. 3rd. A series of organ pipes provided with openings of equal length and individual regulators. dual regulators to adjust said openings, in combination with an additional regulator arranged to simultaneously adjust the size of