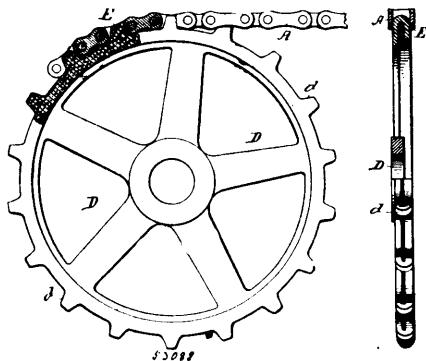


provided at its opposite end with an open slot having a convex swaging surface formed on one of its edges, and the anvil having an inclined surface adapted to support the back of a saw-tooth, said anvil projecting into the slot in the swaging-die so as to form a guide therefor, all arranged to co-operate substantially as and for the purpose set forth. 2nd. In a saw-swage, the combination with the bed-plate, the anvil, the operating lever, and the swaging-die opposed to said anvil, of the rib provided with ways arranged on the bed-plate so as to support the side of the saw, and having formed therein a groove, one end of which is inclined as described, the bar arranged to slide longitudinally in the ways of said rib, the pin mounted loosely in said bar and engaging said groove, and intermediate connecting mechanism connecting said bar and the operating lever, whereby the bar is actuated by the movement of the operating lever, all substantially as and for the purpose set forth.

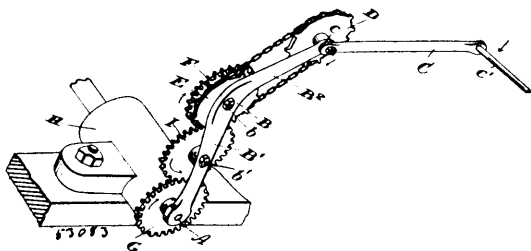
No. 53,082. Sprocket-wheel and Chain for use in Bicycles and like Vehicles. (*Hérissou et chaîne à l'usage des bicyclettes et autres véhicules.*)



Perry G. Gardner, Bound Brook, New Jersey, U.S.A., 3rd August, 1896; 6 years. (Filed 10th July, 1896.)

Claim.—1st. A sprocket-wheel provided with a lubricating substance held thereupon, substantially as described. 2nd. A sprocket-wheel having a lubricant held in the teeth thereof, substantially as described. 3rd. A sprocket-wheel having a lubricant held in the teeth thereof, and in the space between the teeth, substantially as described. 4th. A sprocket-wheel having a lubricant held in an annular space at the periphery of said wheel, substantially as described. 5th. A sprocket-wheel having a lubricant held in an annular space at the periphery of said wheel, and extending also into the teeth thereof, substantially as described. 6th. A sprocket-wheel having the metal at its periphery bent to form the teeth, and an annular socket combined with a lubricant compressed into said socket and extending into the teeth, substantially as described. 7th. A sprocket-chain having the lubricant held in the links thereof adjacent to the connecting pins, substantially as described. 8th. A sprocket-chain composed of links, connecting pins and a lubricant compressed in recesses in the links adjacent to and bearing upon said pins, substantially as described. 9th. The combination with a sprocket-wheel having a lubricant confined in a socket about the periphery thereof, of a sprocket-chain having a lubricant confined in sockets in its links and bearing against the pins connecting said links, substantially as described. 10th. A sprocket-chain composed of links and connecting pins having a lubricant compressed in recesses in said pins adjacent to and bearing upon said links, substantially as described.

No. 53,083. Crank Drive. (*Manivelle à conduire.*)

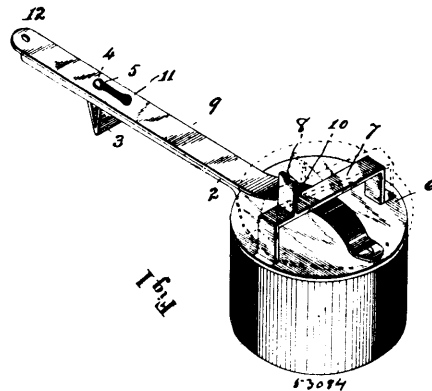


James Heron, Toronto, Ontario, Canada, 3rd August, 1896; 6 years. (Filed 11th July, 1896.)

Claim.—1st. In a crank drive in combination, a crank arm, supplemental arm pivotally connected by a pin extending laterally through the end of the crank, a crank pin on the end of the arm and means for maintaining such arm in the same operative position as it is caused to rotate with the crank, as and for the purpose specified. 2nd. In a crank drive in combination, a crank arm, supplemental arm pivotally connected by a stud extending laterally from the end of the crank, a crank pin on the end of the arm and the sprocket

wheel and gear connecting the outer sprocket with a stationary gear on the journal box, as and for the purpose specified. 3rd. A crank drive consisting of an obtuse-angled elbow crank secured at the end of the axle, an arm pivotally secured on the end of the elbow crank, a stud extending through the inner end of the arm and the other end of the crank, a sprocket wheel secured to the stud, stud extending through the centre of the elbow, sprocket-wheel on such stud, sprocket-chain connecting such sprocket to the sprocket-wheel on the end of the crank, and gear F, intermediate gear I and the stationary gear G secured to the axle-box, as and for the purpose specified.

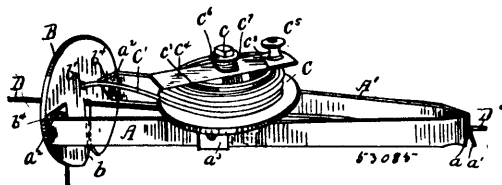
No. 53,084. Saucepan Cover. (*Couvercle de poêlon.*)



George Curley, Salt Lake, Utah, U.S.A., 3rd August, 1896; 6 years. (Filed 11th July, 1896.)

Claim.—1st. The combination with a saucepan having a handle projecting outwardly therefrom, of a cover therefor, a handle attached to said cover extending outwardly therefrom, resting upon the handle of said pan and pivotally connected thereto, substantially as and for the purpose described. 2nd. The combination with a saucepan having a handle projecting outwardly therefrom, with a headed pin upon its upper side, of a cover for said pan having a handle extending outwardly therefrom, resting upon the handle of said pan and provided with a key-hole slot within which said headed pin fits, whereby a pivotal connection between said handles is formed and whereby said cover may be readily detached from the handle of the pan. 3rd. The combination with a saucepan having a handle projecting outwardly therefrom with a headed pin upon its upper side and a projection upon its under side, of a cover for said pan having a handle extending outwardly therefrom, resting upon the handle of said pan, extending slightly beyond the outer end thereof and provided with a key-hole slot therein, within which said headed pin fits, whereby a pivotal connection between said handles is formed and whereby said cover handle may be readily detached from the handle of the pan. 4th. The combination with a saucepan having a handle projecting outwardly therefrom, of a cover for said pan, having an arched strip of metal upon its upper side and a handle for said cover pivotally connected thereto near one edge thereof, extending outwardly beneath said arched strip and curved slightly so that it engages the under side of said strip and holds said cover in frictional contact therewith. 5th. The combination with a saucepan having a handle projecting outwardly therefrom, of a cover for said pan having an arched strip of metal upon its upper side, a projection on said strip and a handle for said cover pivotally connected thereto near one edge thereof, extending outwardly beneath said arched strip and curved slightly, so that it engages the under side of said strip and holds said cover in frictional contact therewith.

No. 53,085. Fence Implement. (*Outil pour clôtures.*)



George S. Axford and Charles W. Case, both of Rochester, Michigan, U.S.A., 3rd August, 1896; 6 years. (Filed 3rd June, 1896.)

Claim.—1st. In a fence implement, the combination of a spring frame adapted to clamp itself into position on the fence wire with spring pressure, a slotted disk mounted on said frame and adapted to engage said wire, and a wire reel on said frame to supply wire to the said slotted disk to wind upon the main wire, substantially as described. 2nd. In a fence implement, the combination of a frame adapted to clamp itself into position on a fence wire, a slotted disk