

# The Canadian Patent Office

## RECORD

Vol. XIX.—No. 3.

MARCH, 1891.

{ Price in Canada \$2.50 per An.  
United States - \$2.50 "

### INVENTIONS PATENTED.

NOTE.—Patents are granted for 15 years. The term of years for which the fee has been paid, is given after the date of the patent.

#### No. 36,059. Track or Road Scraping Machine. (*Grattoir de chemin.*)

Seth Griffin, Poughkeepsie, New York, U.S.A., 2nd March, 1891; 5 years.

*Claim.*—1st. In a track or road scraping machine, a metal shoe for attachment to a scraper blade, consisting of a downwardly-projecting scraping plate, with cutting edge, having its upper surface provided with alternate rounded elevations and depressions in the metal, as and for the purpose specified. 2nd. In a track or road-scraping machine, two independent parallel obliquely running scraper blades, having downwardly-projecting metal shoes, the forward shoe consisting of teeth with bevelled cutting edges to serve as a harrow, and the shoe of the second scraping blade being provided with alternate rounded elevations and depressions in the metal to serve as a scraper, substantially as described. 3rd. A track or road scraper, consisting of a frame work upon wheels for supporting parallel obliquely-running scraper-blades, a raising and lowering mechanism, as described, for adjusting the height of the scrapers independently, and the downwardly projecting metal shoes, one being a toothed harrow, with bevelled cutting edges, the other being a scraper with alternate rounded elevations and depressions in the metal, all substantially as and for the purpose specified. 4th. In a track or road scraper, a metal shoe for attachment to an obliquely-running scraper blade, consisting of downwardly and backwardly-projecting teeth, provided each with two cutting edges, having round and straight bevels respectively, as specified. 5th. In a track or road scraper, metal shoes for scraper-blades having cutting edges formed by the union of round and straight bevels, as described, and being inclined downward from the scraper blades at an angle equal to about five-eighths of an inch in every four inches, for the purpose of better rendering them self-sharpening by use, as specified. 6th. A track or road-scraping machine, consisting of obliquely-running scraper blades and a raising and lowering mechanism, operated as described, in combination with a frame A, resting upon wheels C, C', and supported from the hind axle by the bars P and Q, and from the forward axle by the fifth wheel I and H, having a high upper portion *q* attached to A', substantially as described. 7th. In a track or road scraping machine, parallel scraping blades, a raising and lowering mechanism and a frame for supporting them, in combination with a fifth-wheel, as described, and a backward projecting hook *j*, for coupling the thills L at a point on the top of the axle K, for equalizing the draft strain, as specified.

#### No. 36,060. Sign. (*Enseigne.*)

Thomas James O'Brien, of Buffalo, New York, U.S.A., 2nd March, 1891; 5 years.

*Claim.*—1st. A sign for streets or other purposes, consisting of a series of separate plate letters, each having extensions 11 and 12, and side projections 13 and 14 put together and secured in a grooved frame, substantially as and for the purposes described. 2nd. A sign for streets or other purposes, consisting of a frame having two longitudinal grooved slide-ways, a series of plate letters forming the sign, provided with extensions which extend far enough from the top and bottom of the letter to fill the grooved slideways, and far enough each side of the letter to fill the space between the letters when in the slideways, and a means for securing them in place, substantially as described. 3rd. A sign frame for street lamp posts, consisting of an angular frame, having two grooved slideways extending horizontally at right angles from their point of junction, arms connecting them to a central holding piece adapted to fit part way around the post, a cap adapted to embrace the other side of the post and a means for securing them together, substantially as described. 4th. A plate letter for signs, having extensions 11 and 12 at the top and bottom, and having projections 13 and 14 extending from

each side, as and for the purposes described. 5th. A sign for-streets or other purposes, consisting of a series of plate letters adapted to slide in the slideways of the frame, each having extensions from the bottom and top, and projections extending from each side, a vertically grooved plate for filling the space at the end of a word, also adapted to slide into the slideway, and a means for securing the whole in place, substantially as described. 6th. A sign frame for street lamp or other posts, consisting of a frame having double grooved letter-receiving frame, extending from a point where the two are connected, substantially at right angles to each other, arms extending therefrom to one-half of a clamping or holding piece located centrally and having the outer faces of the portions by which it is fastened directly in a line between the two free ends of the grooved frame, whereby two of such side frames may be put together to form four side frames, substantially as described.

#### No. 36,061. Band Cutter and Feeder for Thrashing Machines. (*Coupe-hart et alimentateur pour machines à battre.*)

Albert Naylor, assignee of Addison A. Naylor, both of New Sharon, Iowa, U.S.A., 2nd March, 1891; 5 years.

*Claim.*—In a band cutter and feeder for thrashing machines, the combination, with a slotted vibrating table, the lower end of which is elevated above the plane of the remaining parts thereof, forming a shoulder extending across the face thereof, of a plate, having teeth thereon mounted on the said elevated lower portion of the table, and to the rear of the said shoulder, a drum upon which the table rests, carrying rearwardly-extending radial cutting knives passing through the slotted table, the said knives being rotated in such a direction that their cutting stroke is toward the thrasher, and also toward the shoulder *f*, a crank-shaft carrying the said drum, a band-wheel mounted on the said shaft, and a connecting rod connected with the cranked shaft and with the table, whereby the latter is given a longitudinal vibratory motion, as and for the purposes described.

#### No. 36,062. Fly Wheel. (*Roue volante.*)

Neil A. Cameron and Stephen Alexander Chenaut, both of Blossom, Texas, U.S.A., 2nd March, 1891; 5 years.

*Claim.*—1st. The improved fly or balance wheel herein shown, the same being provided with a series of radiating notched arms, and a corresponding series of tangential weighted bars, in combination with the rollers B and C, substantially as set forth. 2nd. In combination with a wheel D, carrying a series of radiating spring arms having notches, a series of tangential weighted spring bars F, and oppositely arranged rollers B and C, having central recesses and hubs of different diameters for locking and releasing the weighted spring bars, substantially as set forth. 3rd. A fly-wheel D, provided with a series of radiating spring arms, having notches on their faces, tangential weighted spring bars F adapted to abut against the peripheries of the rollers B and C, so as to be alternately engaged with and released from the radiating spring arms E, and bails or loops *f*, for limiting the upward movement of the weighted spring bars, substantially as shown and for the purpose set forth. 4th. In combination, with a wheel B, having secured to the periphery thereof spring arms E, with notched ends, spring bars F, having transverse weights which engage with the spring arms E, rollers B, and C, centrally recessed, as shown, and provided with hubs of different diameters, so that the spring arms E can pass one of said bars without engaging therewith, whilst they engage with the opposite hub and are held out of engagement with the weighted spring bars, substantially as shown and for the purpose set forth. 5th. The combination of a fly-wheel, spring catch arms, weighted spring bars, means, substantially as shown, for causing automatically the engagement and release of the weighted spring bars from the catch bars, so that the weighted bars will be held near the center of the wheel while on one side, and a considerable distance beyond, when released, for the purpose set forth.

#### No. 36,063. Paste Box. (*Boîte à pâte.*)

Walter Armstrong MacLeod, Almonte, Ontario, Canada, 2nd March, 1891; 5 years.

*Claim.*—1st. A box for holding paste and similar materials, con-