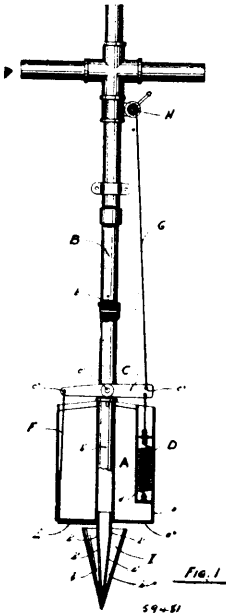
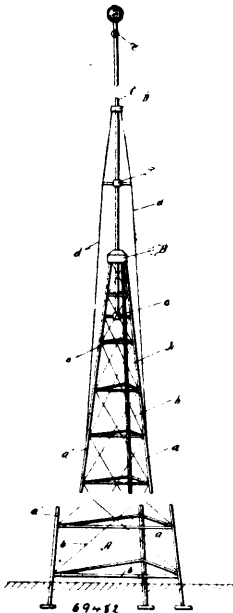


No. 59,481. Earth Boring Auger. (*Sonde à trepan.*)

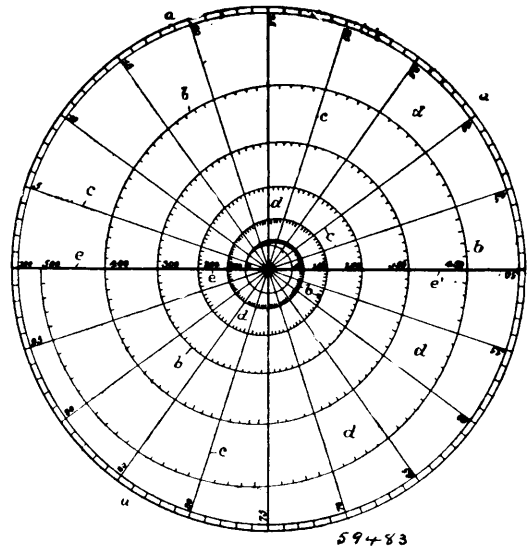
Joseph Allard, La Conception Station, Quebec, Canada, 1st April, 1898; 6 years. (Filed 15th January, 1898.)

Claim.—1st. An earth boring auger with an adjustable cutter on its under side, substantially as described and for the purposes set forth. 2nd. In an earth boring auger, the combination of an adjustable cutter on its under side, with a hollow centre bit projecting below it and provided with perforations for the exit of steam or hot water to thaw out frozen earth, substantially as described and for the purpose set forth.

No. 59,482. Flag Pole. (*Mât de pavillon.*)

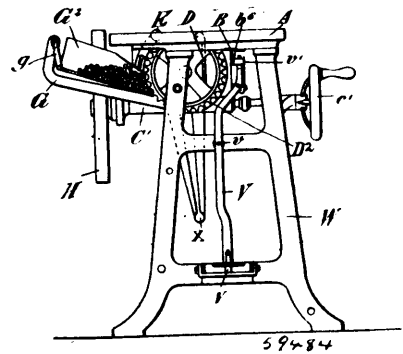
John Muir, Brantford, Ontario, Canada, 1st April, 1898; 6 years. (Filed 26th August, 1897.)

Claim.—In a device for holding flags at a great height, the combination with a skeleton tower, of a tubular metallic flag pole having its lower end secured within said tower, and having a series of openings formed therein, a collar located on said pole intermediate of its ends, a truss frame connected to said tower and said collar, and a series of removable steps adapted to be removably placed in said openings alternatively, substantially as described.

No. 59,483 Chronological Skeleton Chart. (*Monture de carte chronologique.*)

Jacob Black, Portland, Oregon, U.S.A., 1st April, 1898; 6 years. (Filed 11th September, 1897.)

Claim.—A chronological skeleton chart, comprising a sheet of paper or like material, having thereon a circular area traversed by a spiral line *b* and the radial lines *c*, subdividing such area into the spaces *d*, beginning at the centre, and gradually increasing in size, the peripheral lines being decimally graduated throughout, substantially as described.

No. 59,484. Machine for Rolling and Filling Cigarettes. (*Machine à cigarettes.*)

Emil Georgii, Stuttgart, Germany, 1st April, 1898; 6 years. (Filed 7th December, 1897.)

Claim.—1st. In a cigarette machine, a discharging device, a platform arranged to receive a box below the said discharging device, a rack secured to the platform, a cog-wheel engaging the same, a ratchet-wheel connected to the cog-wheel, a vibrating lever, provided with a pawl engaging said ratchet-wheel, a reciprocating slide on the machine, and means carried by the slide for operating the vibrating lever, whereby the box is fed along the cigarettes dropped side by side. 2nd. In a cigarette machine, the combination, with a supporting-sleeve, of a spring-lever, provided with means for clamping the wrapper to the supporting-sleeve, an arm connected to said spring-lever, a track-block and a cam-block arranged to operate the arm, and means for moving said track-block and cam-block, substantially as set forth. 3rd. In a cigarette machine, the combination, with a supporting-sleeve and means for pushing a paper-wrapper onto said supporting-sleeve, of a spring-lever, means carried thereby for clamping the wrapper to the sleeve, an arm connected to said spring-lever, a roller carried by the arm, a track-block and a cam-block arranged in the path of the roller and placed with a gap between them, a latch-piece arranged yieldingly to close the said gap, and means for operating the track and cam-blocks, substantially as set