

The combination, with the toboggan or sledding vehicle, of the tapering box *r*, ball *u* and wheels *v*, substantially as and for the purpose recited. 8th. In combination with the toboggan provided with the turn-wheel and steering-bar, the opening *Q* in front of said bar, substantially as and for the purpose specified. 10th. In combination with the artificial toboggan-course, the wheeled vehicle having rubber-tired wheels, and means, substantially as described, for preventing said wheels from running backward, substantially as and for the purposes set forth. 11th. The combination, with a toboggan or sledding vehicle, of a gravity operated trip-registering device attached thereto, constructed and adapted to operate substantially as described. 12th. The combination, with a toboggan or sled, of the ratchet or dial wheel, the swinging pendant having a pawl *p*, *p'* adapted to engage with the teeth of said wheel, and to actuate the same at intervals, as stated, all constructed and operating substantially as and for the purpose set forth. 13th. The combination, with the toboggan or sled, of the ratchet counter-wheel pawl *p*, *p'* swinging pendant *J*, pawl *p*, and lateral stops *I*, substantially as and for the purposes specified.

No. 23,359. Boot. (Dette.)

George Valiant, Toronto, Ont., 5th February, 1886; 5 years.

Claim.—1st. A button-hole strip *A* made of a single thickness of material, provided with a series of button or eyelet holes and having a series of notches *B* made in its inner or attaching edge, substantially as and for the purpose specified. 2nd. A button-hole strip *A*, made substantially as described, and having a series of button or eyelet holes *a*, with a series of notches *B* made in its edge and connecting with the button hole *a*. 3rd. In a boot or shoe, the fly or flap *C* provided with a projection or lip *d*, so that the strip *A* may be sewed to it without any stitches passing through them being necessarily carried through the vamp *B*, as set forth. 4th. A button-hole or eyelet strip *A'* made of stronger material than the fly or flap *C* to which it is attached, and reduced in thickness between the button-holes in order to make it pliable, as specified.

No. 23,360. Fountain Pen. (Plume-Fontaine.)

Paul E. Wert, Bloomsburg, Pa., U.S., 5th February, 1886; 15 years.

Claim.—1st. In a fountain-pen, the combination, with the ink-reservoir, of the nozzle fitted thereto and carrying the pen, the rubber shaft extending through the nozzle in the space between the inner face of the latter and the upper face of the pen, and held within the nozzle at an intermediate point of its length one end of the shaft extending beyond the nozzle into the ink reservoir, so as to draw the ink downward from the same, while the other end lies over the pen, so that when the latter is pressed upward in writing it comes in contact with the shaft, so as to produce capillary attraction and cause the feeding of the ink downward upon the pen, as set forth. 2nd. In a fountain-pen, the combination, with the ink-reservoir, of the nozzle detachably fitted to one end of the same, the pen attached to the nozzle and the rubber-shaft provided with an enlargement to hold it in place in the nozzle, one end of the shaft extending to the ink-reservoir and the other end lying over the pen, as set forth. 3rd. In a fountain-pen, the combination, with the ink-reservoir, of the nozzle detachably fitted to one end of the same and formed with a recess at its inner end, a pen attached to the nozzle and having its inner end arranged to communicate with the ink which accumulates in the recess, and the rubber shaft formed with an enlargement fitting with the recess, the rear end of the shaft extending into the reservoir while the front lies over the pen, as set forth. 4th. In a fountain-pen, the combination, with the handle or ink-reservoir, of the nozzle fitted thereto and carrying the pen, a recess at the inner end of the nozzle and a rubber shaft held within the nozzle at an intermediate point of its length, one of the shaft extending beyond the nozzle into the ink-reservoir, so as to draw the ink downward into the recess, while the other end lies over the pen, so that when the latter is pressed upward in writing it comes in contact with the shaft to produce capillary attraction and cause the feeding of the ink from the recess upon the pen, as set forth. 5th. In a fountain-pen, the combination, with the ink-reservoir, of the nozzle fitted to one end thereof and carrying the pen, a recess at the inner end of the nozzle, a perforated partition or disc fitted in the inner end of the recess, and a rubber shaft passing through the nozzle and disc arranged and operating, as and for the purpose set forth. 6th. In a fountain-pen the combination, with the handle case or reservoir, of the nozzle fitted thereto and carrying the pen, and a shaft located above the pen and communicating with the ink-reservoir, so as to draw the ink downward by capillary attraction, as set forth. 7th. In a fountain-pen, the combination, with the handle case or ink-reservoir, and the nozzle fitted thereto and carrying the pen, of the ink-conducting shaft passing through the nozzle and having one end lying over the upper face or back of the pen and the other end projecting into the ink-reservoir, and shaft being hinged, pivoted, or otherwise held within the nozzle at an intermediate point of its length, whereby pressing of the nibs upward in writing causes the shaft to play loosely within the nozzle, its rear end within the reservoir also having a slight movement to produce capillary attraction and draw the ink downward upon the nibs of the pen, as set forth. 8th. In a fountain-pen, the combination, with the handle case or reservoir and the nozzle fitted thereto and carrying the pen, said nozzle having a chamber or compartment at its rear end of the ink-conducting shaft passing through the chamber into the ink-reservoir, arranged and operating substantially as and for the purpose set forth. 9th. In a fountain-pen, the combination, with the handle case or reservoir and the nozzle fitted thereto and carrying the pen, said nozzle having a partially closed chamber at its inner rear end for the accumulation of the ink-reservoir, of the ink-conducting shaft for drawing or feeding the ink downward upon the back of the pen, as set forth. 10th. In a fountain-pen, the combination, with the handle case or ink-reservoir and the nozzle fitted thereto and carrying the pen, of two or more discs, buttons or partitions located within the inner end of the nozzle to subdivide the opening of the latter into one or more chambers or compartments, for the accumulation of ink drawn downward from the reservoir and the ink-conducting shaft passing through the

nozzle, substantially as and for the purpose set forth. 11th. In a fountain-pen, the combination, with the handle case or ink-reservoir and the nozzle fitted thereto and carrying the pen, the rear inner end of the nozzle being partitioned off into a compartment of chamber for the accumulation of ink drawn downward from the reservoir, of the ink-conducting shaft passing through the chamber or compartment, arranged and operating substantially as and for the purpose set forth. 12th. In a fountain-pen, the combination, with the handle or ink-reservoir and the nozzle fitted thereto and carrying the pen, of two or more perforated or notched discs or buttons or partitions located within the nozzle to subdivide the latter into one or more chambers or compartments for the accumulation of ink drawn downward from the reservoir and the ink-conducting shaft, the perforations or holes in the discs or partitions allowing the passage of air upward into the ink-reservoir to fill the vacuum left by the withdrawal of the ink while writing, as and for the purpose set forth. 13th. In a fountain-pen, the combination, with the handle or ink-reservoir and the nozzle fitted thereto and carrying the pen, of a chamber or compartment provided at the inner or rear end of the nozzle, and the ink-conducting shaft arranged loosely above the pen passing through the nozzle and its chamber and projecting into the ink-reservoir, said shaft being hinged or pivoted at an intermediate point of its length within the nozzle arranged and operating as and for the purpose set forth. 14th. In a fountain-pen, the combination, with the handle or ink-reservoir and the nozzle fitted thereto and carrying the pen, the chamber or compartment at the inner or rear end of the nozzle, and the funnel-shaped or enlarged mouth at the front end of the ink-conducting shaft, arranged and operating as and for the purpose set forth. 15th. In a fountain-pen, the combination, with the handle or ink-reservoir and the nozzle fitted thereto and carrying the pen, the chamber or compartment at the inner end of the nozzle, of the ink-conducting shaft having its rear end hinged or pivoted at an intermediate point of its length within the nozzle, a portion of the shaft working or playing loosely within a groove in the inner face of the nozzle, as and for the purpose set forth. 16th. In a fountain-pen, the combination, with the handle or ink-reservoir and the nozzle fitted thereto and carrying the pen, of the partitions or discs at the inner end of the nozzle forming the chamber or compartment for the accumulation of ink from the reservoir, and the ink-conducting shaft pivoted or hinged to the partitions or discs, as and for the purposes set forth. 17th. In a fountain-pen, the combination, with the handle or ink-reservoir and the nozzle fitted thereto and carrying the pen, the partitions or discs at the inner end of the nozzle forming the chamber or compartment, a notch in one of the partitions and the ink-conducting shaft having its rear end notched to catch over the bottom wall of the notch in the partition, as set forth. 18th. In a fountain-pen, the combination, with the barrel or reservoir and the nozzle carrying the pen, of the ink-conducting shaft arranged above the pen and having the front end adapted to leave a space or chamber between it and the pen for the ink to accumulate in, for the purpose set forth. 19th. In a fountain-pen, the combination, with the barrel or reservoir and the pen-section or nozzle, of the ink-conducting shaft held at an intermediate point of its length within the pen-section or nozzle, the rear end extending into the ink-reservoir or barrel, and the front end arranged above the pen so as to leave a space or chamber between the parts, arranged and operating whereby when the pen is pressed upward in writing, the action of the nibs causes the said space or chamber to be increased or decreased according to the stroke given thereto, for the purpose set forth. 20th. In a fountain-pen, the combination, with the barrel or reservoir and the pen-section or nozzle, of the ink-conducting shaft extending through the nozzle and having its front portion arranged to leave a space or chamber between it and the pen, the extreme front end resting on the nibs thereof so that the shaft will be operated to increase the width of the space or chamber according to the degree of stroke, as set forth. 21st. In a fountain-pen, the combination, with the barrel or reservoir and the pen-section or nozzle, of the ink-conducting shaft extending through the latter and resting at an intermediate point on the rear end of the pen, the front portion being arranged to leave a space between it and the pen, the extreme point or front end resting upon the nibs thereof, arranged and operating so that the space between the intermediate point and the extreme front end may be increased in width according to the stroke given to the pen, as set forth. 22nd. In a fountain-pen, the combination, with the barrel or reservoir and the pen-section or nozzle, of the ink-conducting shaft comprising the main portion *a*, the depress portion *b*, the chambered portion *c* and the front bearing edge *e*, the latter resting on the nibs of the pen, for the purpose set forth. 23rd. In a fountain-pen the combination, with the barrel or reservoir and the pen-section or nozzle, the ink-conducting shaft passing through the latter, and the pen fitted in the nozzle below the shaft and comprising two flat nibs set at an angle to each other and rounding shank or body, as set forth. 24th. In a fountain-pen, the combination, with the barrel or reservoir and the pen-section or nozzle, of the ink-conducting shaft and the pen comprising the rest-angular shank or body, the flat nibs set at an angle to each other and extending back and forming part of the body, the latter commencing to assume rounding shape from the point where the nibs terminate, for the purpose set forth. 25th. In a fountain-pen, the combination, with the barrel or reservoir and the pen-section or nozzle, of the ink-conducting shaft and the pen comprising the shank or body and two flat nibs set at an angle to each other and extending back and forming part of the body as set forth. 26th. In a fountain-pen, the combination, with the nozzle, of the herein described cap having an interior passage therein, the front or closed end of the passage being reduced, while the rear or open end is enlarged, for the purpose set forth. 27th. In a fountain-pen, the combination, with the nozzle or the pen section, of the herein-described cap made hollow or bored out to provide an interior passage, one end of which is reduced in diameter to receive the front end of the nozzle and fit closely around the sides thereof, as set forth. 28th. In a fountain-pen, the combination, with the nozzle or pen-section, of the herein-described cap provided with an interior passage, one portion of which fits closely around the nozzle at the front end, so as to hermetically seal the connection, and an air-vent provided in the cap below this connection, as set forth. 29th. In a fountain-pen, the combination, with the nozzle thereof, of the herein-described cap-hollow or bored out to fit over the nozzle, the inner