

K, between the sections H, of the octagonal frame and supported on the gear wheels B, in combination with a suitable system of gearing, substantially as and for the purpose specified. 12th. In a brick machine, the molds A¹, rotating around the shaft C, in combination with the feed spout U, supported on the cross piece Z, secured on the supplemental frame, substantially as and for the purpose specified. 13th. In a brick machine, the molds A¹, rotating around the shaft C, in combination with the feed spout U, having secured to its top the hopper V, and to its bottom the swinging funnel W, substantially as and for the purpose specified. 14th. In a brick machine, the molds A¹, rotating around the shaft C, in combination with the feed spout U, provided with the gates X and Y, having holes 6 and 7 in top and bottom gates respectively, and operated, substantially as and for the purpose specified. 15th. In a brick machine, the feed spout U, hopper V, and swinging funnel W, in combination with the gates X and Y, having holes 6 and 7, and connected together by the cross piece 2, the said gates being operated by the lever 8, the long arm of which is connected to the cross piece 2, while the short end has a friction roller 11, secured to it and revolving in a groove in the revolving wave cam 13, substantially as and for the purpose specified. 16th. In a brick machine, the feed spout U, provided with the gates X and Y, which run in the grooves 3 and 4, which extend through the feed spout U, to the outer ends of the extension arms *u* and *z*, substantially as and for the purpose specified. 17th. In brick machine, the swinging funnel W, provided with a triangular prism shaped piece *x*, with bevelled ends *x*¹, extending from the apex of the prism, substantially as and for the purpose specified. 18th. In a brick machine, the spout U, provided with gates X and Y, in combination with side plate 20, substantially as and for the purpose specified. 19th. In a brick machine, the feed spout U provided at one side with the plate 20, in combination with the rod 22, connected at the inner end to the plate 20, and at the outer end to the arm 23, secured on the spindle 24, which has the arm 25, connected to it at its outer end, the said arm 25, being operated by a screw spindle 26, substantially as and for the purpose specified. 20th. In combination, the molds, the covers N, the curved rod T, extending over the molds, and the embracing fingers *u*, curved to engage the rod, substantially as described. 21st. In a brick machine, the curved rod T, having the top end *v*, extending inwardly and downwardly to a point in proximity to the door N, and the bottom end *b*¹, extending upwardly and outwardly from the door N, substantially as and for the purpose specified. 22nd. In a brick machine, the swinging funnel W, hinged at *w*, in combination, with the bracket 36, secured to each of the sections H, and having its inner side flush with the sides of the mold, substantially as and for the purpose specified. 23rd. In a brick machine, the bracket 36, having the fingers 37, in combination, with the delivery arms 29, secured to the pick-off shaft 19, and having fingers 31, substantially as and for the purpose specified. 24th. In a brick machine, the mold A¹, having a plunger M, operated from the cam L, in combination, with the delivery arms 29, secured to the pick-off shaft 19, substantially as and for the purpose specified. 25th. In a brick machine, the mold A¹, having a plunger M, operated from a cam L, and a bracket 36, provided with the fingers 37, in combination, with the delivery arms 29, having fingers 31, and supplemental fingers 32, substantially as and for the purpose specified. 26th. In a brick machine, the mold A¹, having a plunger M, operated from the cam L, and a bracket 36, provided with the fingers 37, in combination, with the delivery arms 29, having the fingers 31, and supplemental fingers 32, and the inclined plane 34, made in three sections, as described and for the purpose specified. 27th. In a brick machine, the mold A¹, having a plunger M, operated from a cam L, and a bracket 36, provided with fingers 37, in combination, with the delivery arms 29, having the fingers 31, and supplemental fingers 32, the inclined plane 34, and the endless belt 35, substantially as and for the purpose specified. 28th. In a brick machine, the delivery arms 29, provided with the fingers 31, and supplemental fingers 32, in combination, with the inclined plane 34, made in three sections, substantially as and for the purpose specified. 29th. In combination, the molds, the carriers for the same, consisting of the gears B, B, the delivery arms 29, and the shaft 19, and the operating means, consisting of the gear meshing with one of the gears B, substantially as described.

No. 39,338. Trawl Roller.

(*Roulette pour voies-aériennes.*)

John B. J. d'Entrement, East Pubnico, Nova Scotia, Canada, 14th July, 1892; 6 years.

Claim.—A trawl roller B, having a ratchet wheel H, and a pawl G, attached to the frame C, in which said roller is journaled, as and for the purpose set forth.

No. 39,339. Roll Holding Photographic Apparatus.

(*Porte-rouleau pour appareil photographique.*)

David H. Houston, Hunter, North Dakota, U.S.A., 14th July, 1892; 6 years.

Claim.—1st. In a roll holding photographic apparatus, the combination of the guide rollers H at the back of the holder, the spool and reel in front of the guide rollers, and the bearing rollers X in contact with the spool and reel, which rollers are held to their work

by a spring Y, and the light excluding divisions F, substantially as herein shown and described. 2nd. In a roll holding photographic apparatus, the combination of the sensitized paper or film A, passing along the back interior side of the holder, the light excluding divisions E extending between the film and the front interior side of the holder, the slide O at the front end of the holder, and the sliding front D on the front side of the holder, substantially as described. 3rd. In a roll holding photographic apparatus, the combination of the telescoping front section C, the packing W, and the light excluding slide O, substantially as described. 4th. In a roll holding photographic apparatus, the combination, with the outer case A, of the indicators, the door S, the back slide or door K, and the level G, substantially as and for the purpose described. 5th. The combination, in a roll holding photographic apparatus, of the centre sights V¹, and the marginal sights V¹¹¹, for the purpose specified. 6th. In a roll holding photographic apparatus, the combination of the centre sights V¹, the marginal sights V¹¹¹, and the degree scale S¹, for the purpose specified. 7th. In combination with an instrument for exposing photographic sensitive surfaces, the marginal sliding sights V¹¹¹, for the purpose specified. 8th. In combination with an instrument for exposing sensitive photographic surfaces to the active action of the light, the marginal sliding sights V¹¹¹ on either side of the lens tube, the centre sights arranged in line with said tube, and the level G between said centre sights, for the purpose set forth. 9th. In combination with an instrument for exposing sensitive photographic surfaces to the active action of light, the sight plate R carrying the scales S¹, marginal sights V¹¹¹ arranged to slide in slots in said plate, and the centre sights V¹, for the purpose specified. 10th. The combination, with a roll holding photographic apparatus, of an indicating and counting device consisting of the pinion X¹ adapted to be rotated by one of the guide roller shafts, the spur wheel W¹ meshing with said pinion, the arm N¹¹¹ on the spur wheel projecting beyond the periphery of the same and adapted to engage with the counting wheel Y¹ and move the same at each revolution of the spur wheel, and the spring arm Z¹, substantially as described. 11th. In combination, with a roll holder for exposing photographic film, the indicating and counting device, consisting of the pinion X¹, the spur wheel W, the arm N¹¹¹, the counting wheel Y¹, the spring pawl Z¹, and the counters L¹¹¹, all of which are arranged to operate on the plate P¹¹¹, on the holding case, substantially as and for the purpose set forth. 12th. The combination, with a roll holder for exposing photographic film, of the lens tube arranged to slide or telescope into the interior of the roll holder, substantially as described. 13th. A roll holder spool made of two longitudinal strips, the larger strip V having the slot or groove V², the rectangular shaft opening R, and the smaller strips V², substantially as herein shown and described. 14th. As a new article of manufacture, a roll holder spool T, constructed of two longitudinal sections, the larger section or strip V having a rectangular opening extending from end to end thereof, and the inclined slot or groove V², said spool being adapted to receive a roll of sensitized film, and a covering for the film, substantially as and for the purpose set forth. 15th. In a roll holder apparatus, the combination of the holding case, the telescopic lens tube fitted therein, and the diaphragm holding cap in said tube, substantially as described. 16th. In a roll holding photographic apparatus, a lens tube arranged to slide or telescope in the holding case, and provided with the flanges F¹¹ and F¹, on its opposite edges adapted to engage with the front of the case, substantially as described. 17th. In a roll holder, the combination of the guide roller H, H¹, the perforators L, the band of sensitized film A¹, the glass plate J, the slide or door K, and the aperture N, substantially as and for the purpose set forth. 18th. In a roll holder, the aperture in the back of the holding case, the glass plate J, in front of said opening, and the slide or door K behind the plate, substantially as and for the purpose set forth. 19th. In a roll holder, the combination of the sensitized film A¹, passing along the back side of the holder on the inside thereof, the light excluding divisions E extending between the film and the front interior side of the holder, the slide O at the front of the holder, and the movable front arranged exteriorly of the holder, substantially as and for the purpose set forth. 20th. In a roll holder, the combination of the sensitized film A¹, extending along the back side in the interior of the holder, the light excluding divisions E extending between the film and the front interior side of the holder, and the light excluding slide O, at the front of the holder, substantially as and for the purpose set forth. 21st. In a roll holding apparatus, the combination of a holding case, a sliding or telescopic lens tube, and a diaphragm holding cap, substantially as shown and described. 22nd. In combination with a roll holder for exposing photographic films, the indicating and counting device composed of the pinion X, the spur wheel W¹, the arm N¹¹¹, the counting wheel Y¹, and the counters L¹¹¹, all constructed and arranged on the plate P¹¹¹, substantially as and for the purpose described. 23rd. In a roll holder, the combination of the aperture N, at the back of the holder, the light excluding slide or door K, and the glass plate J, substantially as shown and described. 24th. In a roll holder, the combination, of the aperture N, at the back of the holder, the light excluding slide or door K, the glass plate J, and the sensitized film arranged to pass over the inner face of said plate, substantially as described. 25th. In a roll holder, the combination, of the aperture N, at the back of the holder, the light excluding slide or door K, the glass plate J, the sensitized film A, and the film holder F, substantially as described. 26th. In