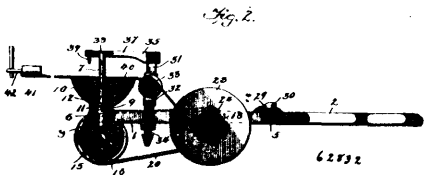
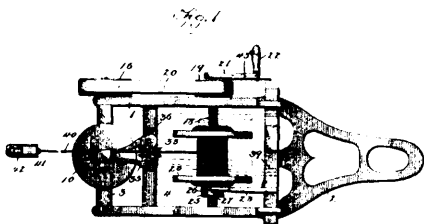


solution or liquid. 2nd. The manufacture of material in filamentary, or sheet, or web, form, by projecting the aforesaid solution of cellulose, (viscose), into, or passing it into or through, a solution of chloride of ammonium. 3rd. The manufacture of material in filamentary, or sheet, or web, form, by projecting the aforesaid solution of cellulose, (viscose), through a small orifice, or through a slit, into a precipitating, or setting, solution, or liquid, and drawing it therethrough. 4th. The preparation of material in filamentary, or sheet, or web, form, by first subjecting the aforesaid solution of cellulose, (viscose), to stirring and filtering, and then projecting it from a small orifice, or slit, into a solution of chloride of ammonium. 5th. A filamentary material for textile purposes, or sheets, or webs, for photographic, or other purposes, prepared from the aforesaid solution of cellulose, (viscose), substantially as hereinbefore set forth. 6th. Fabrics made from filamentary material, prepared from the aforesaid solution of cellulose, (viscose), substantially as hereinbefore set forth.

#### No. 62,832. Chalk Line Reel.

(*Devidoir pour lignes marquées à la craie.*)



John William Bacon, Enderby, British Columbia, Canada, 8th March, 1899; 6 years. (Filed 6th October, 1898.)

**Claim.**—1st. A chalk line reel, comprising a frame, a rotatable chalking portion mounted on said frame, a reel mounted in said frame, said reel having a chalk line mounted thereon, and means for operating said reel and said chalk portion concurrently, substantially as described. 2nd. A chalk line reel, comprising a frame, a rotatable chalking portion mounted thereon, a reel mounted in said frame and adapted to have a lateral movement therein, said reel having the chalk line mounted thereon, and means for imparting a movement to said reel and to said chalk portion concurrently, substantially as described. 3rd. A chalk line reel, comprising a frame, a rotatable chalk portion mounted on said frame, a reel mounted on said frame, said reel having the chalk line mounted thereon, said chalk line extending forwardly over said chalk portion, means for adjustably holding said chalk line in direct contact with the surface of said chalk portion, and means for operating said reel and said chalk portion concurrently, substantially as described. 4th. A chalk line reel, comprising a frame, a spindle rotatably mounted in the front portion of said frame, said spindle being adapted to receive the chalk, a reel mounted in said frame, said reel being adapted to contain the chalk line, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 5th. A chalk line reel, comprising a frame, a spindle rotatably mounted in the front portion of said frame, said spindle being adapted to receive the chalk, a reel mounted in said frame and having a lateral movement thereon, said reel being adapted to contain the chalk line, and means for imparting a movement to said reel and said spindle concurrently, substantially as described. 6th. A chalk line reel, comprising a frame, a spindle rotatably mounted in the front portion of said frame, said spindle being adapted to receive the chalk, a reel mounted in said frame, said reel having a controlled lateral movement thereon and adapted to contain the chalk line, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 7th. A chalk line reel, comprising a frame, a spindle rotatably mounted at the front end thereof, a chalk portion removably connected to said spindle, a reel mounted in said frame, said reel being adapted to contain the chalk line, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 8th. A chalk line reel, comprising a frame, a spindle rotatably mounted at the front end thereof, a chalk portion removably connected to said spindle, a reel mounted in said frame and having a lateral movement thereon, said reel being adapted to contain

the chalk line, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 9th. A chalk line reel, comprising a frame, a spindle rotatably mounted at the front end thereof, a chalk portion removably connected to said spindle; a reel mounted in said frame, said reel having a controlled lateral movement thereon, and adapted to contain the chalk line, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 10th. A chalk line reel, comprising a frame, a chalk receiving spindle rotatably mounted therein at its front end, a reel mounted in said frame, said reel being adapted to contain the chalk line, an adjustable guide for said chalk line, mounted between said chalk portion and said reel, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 11th. A chalk line reel, comprising a frame, a chalk receiving spindle rotatably mounted therein at its front end, a reel mounted in said frame and having a lateral movement thereon, said reel being adapted to contain the chalk line, an adjustable guide for said chalk line, mounted between said chalk portion and said reel, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 12th. A chalk line reel, comprising a frame, a chalk receiving spindle rotatably mounted therein at its front end, a reel mounted in said frame, said reel having a controlled lateral movement thereon, and adapted to contain the chalk line, an adjustable guide for said chalk line, mounted between said chalk portion and said reel, and means for imparting movement to said reel and said spindle concurrently, substantially as described. 13th. The combination with a chalk line reel, of means for preventing the unreeling of the chalk line after the required distance has been unwound, substantially as described. 14th. The combination with a chalk line reel, of a pin secured to the frame thereof above the chalk portion, said pin being adapted to hold the chalk line after the required amount has been unreeling, thereby preventing a further unwinding of the line, substantially as described.

#### No. 62,833. Liquid Supplying and Distributing Machine. (*Machine à pourvoir et distribuer des liquides.*)

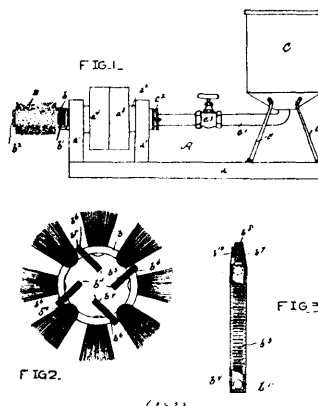


FIG. 2.

FIG. 3.

Willis Lincoln Marsh, Jefferson City, Missouri, U.S.A., 8th March, 1899; 6 years. (Filed 16th November, 1898.)

**Claim.**—1st. In a liquid supplying and distributing machine, the combination with a rotary liquid-supplying element, comprising a hollow body portion, of liquid-supplying tubes secured in the said hollow body portion and leading from the interior to the exterior thereof, said tubes being arranged tangentially with relation to the axis of rotation of the liquid-distributing element, substantially as described. 2nd. In a liquid-supplying and distributing machine, the combination of the hollow brush and means to supply liquid to the interior thereof, of suitable liquid-supplying tubes arranged to conduct the liquid from the interior to the exterior of said brush, and suitable plungers arranged to reciprocate in said supply-tubes, as the brush is revolved to force the liquid along said tubes, substantially as described. 3rd. In a liquid-supplying and distributing machine, the combination with a hollow brush and means to supply liquid to the interior thereof, of supply-tubes leading from the interior to the exterior of said brush and disposed tangentially with relation to the axis of rotation thereof, and suitable inlets and outlets in said supply-tubes, the inlets being removed from the ends of said tubes and suitable plungers located in said supply-tubes, and arranged to reciprocate therein as the brush is revolved, substantially as described. 4th. In a liquid-supplying and distributing machine, the combination with the supply-tank or reservoir, of the hollow rotating brush, connected therewith, a supply-tube leading from the interior to the exterior of said brush arranged to supply liquid to the bristles of said brush, said supply-tube arranged tangentially with relation to the axis of rotation, and having a suitable inlet and outlet in opposite ends thereof, and a ball arranged to reciprocate along said supply-tube as said brush is revolved, and means to regulate the flow of liquid from the outlet of said tube, substantially as described.