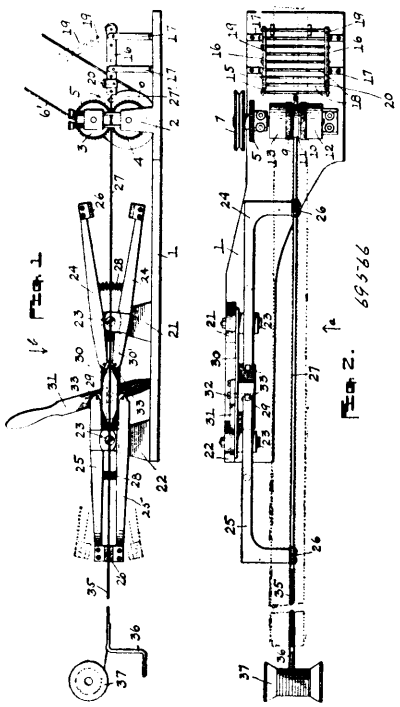
No. 69,566. Machine for Threading Ribbon into Lace.
(*Machine pour enfiler du ruban dans la dentelle.*)



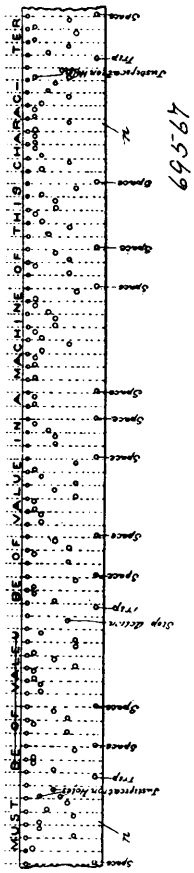
Carroll Walter Dodge, Worcester, Massachusetts, U.S.A., 3rd December, 1900; 6 years. (Filed 16th July, 1900.)

Claim.—1st. In a machine of the class described, the combination with a needle having a movable point at one end, and means for holding the needle, of friction rolls for drawing the lace onto the needle, and a tension device for the lace, substantially as shown and described. 2nd. In a machine of the class described, the combination with movable clamps or nippers, and means for opening and closing them, and friction rolls, of a needle held by the nippers, and having a movable point at one end, onto which the lace is drawn by the friction rolls, substantially as shown and described. 3rd. In a machine of the class described, the combination with two pairs of clamps or nippers, and means for closing one pair and opening the other, and friction rolls, and means for operating the same, of a strip for holding the ribbon, a needle connected therewith and held by the nippers, and having a movable point to enter the perforations in the lace, which is strung on the strip and needle, substantially as shown and described. 4th. In a machine of the class described, the combination with two pairs of clamps or nippers, and means for closing one pair and opening the other, and friction rolls, and means for operating the same, and a tension device for the lace, of a strip for holding the ribbon, a needle connected therewith and held by the clamps, and having a movable point to enter the perforations into the lace, which is strung on the strip and needle, substantially as shown and described. 5th. In a machine of the class described, the combination with movable clamps or nippers and means for opening and closing them, and friction rolls, of a needle consisting of a flat strip of metal, to be held by the nippers, and having a movable point at one end, onto which the lace is drawn by the friction rolls, substantially as shown and described. 6th. In a machine of the class described, a friction roll, comprising a central shaft, two discs of pliable material mounted thereon an intermediate disc with a circumferential groove therein, and two outside discs or collars, one fast on said shaft, and the other loose, and an adjusting nut turning on a thread on said shaft, and extending within a recess in the loose disc, to adjust the same, substantially as shown and described.

No. 69,567. Machine for the Production of Print.
(*Machine pour la production d'impressions.*)

George Arthur Goodson, Providence, Rhode Island, U.S.A., 3rd December, 1900; 6 years. (Filed 3rd April, 1900.)

Claim.—1st. A representative pattern or dummy, for controlling the sections of an automatic machine, such as a type casting or setting machine, which pattern when containing typographical errors, or other undesired matter in its representation, also contains the representation of a stop action, for preventing the automatic machine from reproducing in its product the undesired matter represented on the strip, substantially as described. 2nd. In an automatic machine, controlled by a representative pattern or dummy to produce a desired product represented on the pattern, such as a set line of type, a stop action device also controlled by



said pattern, for rendering the machine inoperative to produce any product containing typographical error or other undesired matter, represented on said pattern, substantially as described. 3rd. In an automatic type casting or setting machine, controlled by a pattern or dummy representing the desired composition, and it may be also some typographical error, or other undesired matter, a stop action device also controlled by said strip, for rendering the type casting or setting machine inoperative to cast or set type corresponding to the erroneous or undesired matter represented on the strip, substantially as described. 4th. In a type casting and setting machine, wherein the type casting actions are directly controlled by electric devices and the circuit connections for said electric devices are controlled by a representative pattern or dummy, the combination with said circuit connections of a circuit breaker under the control of said pattern or dummy, for opening the circuit through the electric devices controlling the casting action throughout the time that said pattern is making its necessary feed movements or travel, to pass the undesired matter represented thereon, substantially as described. 5th. In a type casting and setting machine, wherein the casting actions are directly controlled by electric devices, including a pump trip magnet, the combination with the punctured representative strip, of circuit connections for said electric devices controlled by said strip, including the bank of thrust pins, the two way switch, the setting branches, the working circuit branches having a common return wire through said pump trip magnet, the clutch trip and its special circuit connections, a circuit breaker in said common return branch of the working circuit, and an electric trip for said circuit breaker in one branch of the setting circuit and subject to the control of a stop action hole on said strip, substantially as and for the purposes set forth.

No. 69,568. Process of Bleaching Sugar Juices.
(*Procédé pour blanchir le jus de sucre.*)

Isador Kitsée, Philadelphia, Pennsylvania, U.S.A., 3rd December, 1900; 6 years. (Filed 27th November, 1899.)

Claim.—1st. The process of treating sugar solution, which consist in first subjecting the solution to a bleaching agent and next, to an olefiant gas. 2nd. The process of treating sugar solution which consists in first subjecting the solution to a a bleaching agent and next to a hydro carbon gas. 3rd. The process of decolourizing sugar solution, which consists in subjecting the solution first to the