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## RECORD





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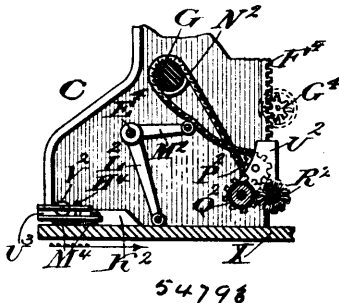
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### INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

#### No. 54,793. Die Printing System.

(Système d'imprimerie.)



The Steen Stamping Press Company of Philadelphia, assignee of Samuel Steen, all of Philadelphia, Pennsylvania, U.S.A., 1st February, 1897; 6 years. (Filed 16th May, 1895.)

*Claim.*—1st. A printing press having a die, mechanism for actuating and inking the latter, separate mechanism for wiping out the deep parts of said die, a surface wiper, a plunger and means for actuating the same. 2nd. In a press, a plunger, means for actuating the same, a table carrying a die thereon, a block attached to said table, ways for said block, connections from the latter to a lever having one end pivoted to a fixed point, a rock arm, means for actuating the latter, and a link having one end pivotally attached to said lever, the other end of said link being detachably connected to a suitable portion of said rock arm, whereby the table actuating mechanism can be thrown out of action, so that the plunger alone is moved, substantially as described. 3rd. In a press, a table carrying a die, means for actuating said table and inking said die, a plunger, means for actuating the same, a wiper device consisting of the bars  $K^3$  suitably supported and guided, studs attached to said bars, a wiper plate moving freely on said studs and cushioned on springs above and below, means for actuating said bars, a strip of paper passed under said plate, and mechanism for actuating said paper, substantially as described. 4th. In a press, a table carrying a die, a colour box and a roll therein, an inking roll suitably journaled above said die, means for actuating said table, and mechanism whereby said last mentioned roll is driven only when taking colour, and is allowed to run free when passing over said die, said mechanism consisting of a belt normally loose, which extends from a source of power to a suitable portion of said roll, a belt tightener and a

cam on said table which contacts with the tightener at proper intervals, a plunger, means for actuating the same, and a wiper, said parts being combined substantially as described. 5th. In a press, a table carrying a die, and a colour box having a roll or rolls therein, a roll and a wiping-out brush suitably journaled above said die, means for actuating said table and wiping-out brush, and mechanism whereby said last mentioned roll is driven only when taking colour, a plunger, means for actuating the same, and a wiper, substantially as described. 6th. In a press, a table carrying a die, and a colour box, the latter being adapted to contain a roll and a doctor blade, an inking device suitably supported above said die, means for adjusting said inking device and actuating said die, mechanism whereby said inking device is driven only when taking colour, the same consisting of a belt normally loose leading from a source of power and communicating motion to said inking device, a cam on said table and a belt tightener intermediate of said cam and belt, an impression device and a wiper, said parts being combined substantially as described. 7th. In a press, a table carrying a die and a colour box adapted to contain a roll and a scraper, an inking device and a device for wiping out the deep parts of said die, suitably supported above the latter, means for actuating said table and said wiping-out device, and mechanism for driving said inking device when taking colour, the same consisting of a belt leading from a source of power to suitable gearing, which actuates the ink roll, a cam attached to said table, a bell crank pivotally supported intermediate said cam and belt, and having one arm contacting with the latter, and the other adapted to be struck by said cam at proper intervals, an impression device and a wiper, substantially as described. 8th. In a press, a table carrying a die, and a colour box having a roll and a scraper therein, an inking device and a brush for wiping out the deep parts of the die suitably supported above the latter, mechanism for actuating said table and wiping-out device, and mechanism whereby said inking device is driven only when taking colour, an impression device and a wiper, substantially as described. 9th. In a press, a table carrying a die and a colour box, an inking device, mechanism for actuating said table and inking device, an impression device and a surface wiping device, the same consisting of a suitable material passed under a plate  $Y^1$ , which latter moves freely on studs  $L^3$ , attached to the bars  $K^3$ , said plate being cushioned on springs above and below, a bell crank  $U^1$  pivotally supported, and having connections from one arm to said bars  $K^3$ , and connections from the other arm, which are actuated by a suitable cam, and means for imparting motion to said cam, substantially as described. 10th. In an organized press having a table, a die, an inking device, a plunger and means for actuating the above parts, a surface wiping device consisting of a roll of suitable material mounted on a shaft journaled in brackets, a tension device consisting of a split sleeve engaging said shaft, and having a projecting portion contacting with one of said brackets, a plate  $Y^1$  under which said wiping material passes, means for actuating the latter, said plate  $Y^1$  moving freely on studs  $L^3$  attached to bars  $K^3$  on each side of the press, pins  $A^4$  for guiding said bars, springs above and below said plate, and means for adjusting their tension, a bell crank pivotally mounted and having connections from one of its arms to said bars  $K^3$ , and connections from the other arm to a source of power, substantially as described. 11th. In a press having an impression device, and an inking and wiping device, and means for actuating the same, a table carrying a die thereon, a block connected to said table, and guides in the ways T and U, connections from said block to the lever P, having one end pivoted to a fixed point, the link O, rock arm N, rock shaft M, arm L, connecting rod K, crank pin H, gear E, pinion F, shaft G, gear  $N^3$ , pinion  $M^3$ , shaft  $O^3$ , and belt pulley  $L^3$ , the above parts being combined substantially as described. 12th. In an organized press, a table having a die thereon, a plunger, a guide