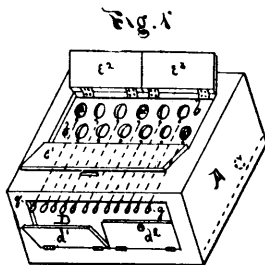
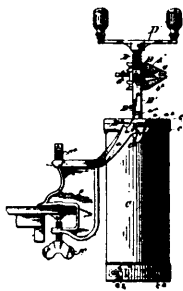


No. 42,826. Egg Tester.*(Appareil à faire l'épreuve des œufs.)*

Norman Wemp, Chatham, Ontario, Canada, 4th May, 1893; 6 years.

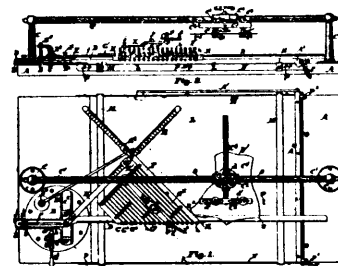
Claim.—1st. The combination of the case A, having a series of openings a^1, a^2, a^3 in the top, the said top being covered with a pad of soft rubber b , the said case A, having the opening D, in the front and in the bottom of dark chamber, the mirror C, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the case A, having the series of openings a^1, a^2, a^3 and c , and c^1, c^2, c^3 , or slides f^1, f^2 , for closing up a portion or all of them, substantially as and for the purposes hereinbefore set forth. 3rd. The combination of the case A, having the series of openings a^1 and a^2 and a^3 , having the devices e^1, e^2 and e^3 , for closing the openings a^1, a^2 and a^3 , and the openings D, having doors d^1 and d^2 , for the purpose of closing up the portion of said opening D, substantially as and as specified. 4th. The combination of the case A, having the series of openings a^1, a^2 and a^3 , the opening D, and the mirror C, being placed on the bottom or having a slight elevation at the back, substantially as and as specified. 5th. The combination of the case A, having the series of opening a^1, a^2 and a^3 , the opening D, the mirror C, and the signals g , substantially as and for the purpose hereinbefore set forth.

No. 42,827. Press. (Presse.)

George W. Pelton, Muscatine, Iowa, U.S.A., 4th May, 1893; 6 years.

Claim.—1st. The combination of the support, the bifurcated hanger supported thereon, the presser cylinder removably connected to the bifurcations or legs of said hanger, the screw shaft playing through guides in said hanger, and the split nut connected to said hanger and engaging the screw shaft, and a plunger, substantially as described. 2nd. The combination of the support having diverging upwardly extending arms slotted at their ends, the hanger having lugs engaging the slots of the arms, and a screw shaft guide opening, a split nut mounted in the hanger, a screw shaft, and a presser cylinder and plunger, substantially as specified. 3rd. The combination of a support, the bifurcated hanger connected thereto having a screw shaft guide opening, the half nuts resting and moving in an opening in said casting, the screw shaft playing therethrough, and a cylinder having lugs on its ends removably engaging slots in the legs of the casting, and a plunger, substantially as specified. 4th. The combination of the hanger, the cylinder, a suspending ring having lugs engaging the hanger and an annular shoulder fitted to the top of the cylinder, the edge of which is turned over into said shoulder, and a strengthening band at the lower end of the cylinder over which the metal of the cylinder is turned, said band and lower edge of cylinder having a series of L-shaped slots, with the bottom band having a series of lugs adapted to engage the said slots, substantially as specified. 5th. The combination of a hanger having intersecting openings with the clutch pieces d, d , having half nuts d^1 , and the shank d^2 , the latter pivoted to brackets projecting from the hanger, and the former resting in one of the openings, and a catch for holding said parts together, substantially as set forth. 6th. The combination of the support having upwardly curved arms a , having slotted heads a^1 , with the hanger having curved legs provided with outwardly projecting lugs and interior inclined slots, and a screw shaft guide opening, the screw shaft playing through said opening, and the cylinder having lugs engaging the slots of the hanger, substantially as set forth. 7th. The combination of the

support having upwardly inclined diverging arms provided with slotted heads on its front upper corner and a rest on its rear upper corner, with the bifurcated hanger having lugs on its legs engaging the slots of the arms, a presser cylinder removably connected to said hanger and supported on said rest, a follower, the screw shaft playing through the hanger, and a split nut attached to the hanger and engaging said shaft, substantially as specified. 8th. The combination of the hanger having screw shaft guide opening b , intersecting opening b^1 , and bracket arms b^2 , at one side of said opening, with the half nuts d^1 , resting in opening b^1 , and having shanks d^2 , pivotally connected to the extremities of bracket b^2 , the springs for throwing apart said nuts, and the catch for locking the same, substantially as described. 9th. The combination of the support having upwardly inclined curved and slotted arms, the hanger having curved legs provided with exterior lugs removably engaging the slots in said arm and also having inclined slots in the inner faces of the legs, the presser cylinder having lugs removably engaging said slots and supported thereby, the follower, the screw shaft playing through a guide opening in said hanger, the pivoted screw clutch pieces playing in an opening in said hanger and adapted to engage the shaft, the springs for separating and the catch for locking the same, all substantially as and for the purpose described.

No. 42,828. Pantograph. (Pantographe.)

Louis Côté, St. Hyacinthe, Quebec, Canada, 4th May, 1893; 18 years.

Claim.—1st. In combination, with the four bars E, F, I¹ and G¹, of an ordinary pantograph, the bar I, a plurality of bars pivoted to said bars I, and I¹ in positions parallel to each other, and to the bars F and G¹, and each provided with a pencil carrying socket at a different distance from the bar I to either of the other bars, a bar for supporting the front or pencil carrying ends of the bars F and G¹, just in the rear of the pencil carrying sockets and parallel to the line of said sockets, two slides or clips mounted on said bar so as to be freely movable endwise thereof, and pivoted one to the front end of the bar F, and the other to the bar G¹, said supporting bar being pivoted to one end of the bar E, and a raised bar or bars, and a pivoted radius arm, for supporting the movable ends of said supporting bar, and the bar D respectively. 2nd. The combination, with the bars E, F, G¹ and I¹, of an ordinary pantograph, of the bar D, pivoted to one end of the bar E, and constructed and arranged to support the front end of the bars F and G¹, at one end of said pivoted connection and extending beyond said pivot in the opposite direction and having formed in said extension a longitudinal slot, a slotted arm secured to the table or bed of the machine parallel to the front edge thereof, an adjustable fulcrum pin mounted in the slot in said bar D, and projecting into the slot in said arm, a pair of slides or clips embracing and adjustable endwise of said bar D, and pivoted one to the front end of each of the bars F and G¹, and a pencil carrying socket mounted in the front end of each of said bars F and G¹. 3rd. In a machine for outlining and proportioning or grading patterns of different sizes from a single model, the combination, with the four bars E, F, G¹ and I¹ of an ordinary pantograph, of the bar I arranged parallel to the bar I¹, and pivoted to the bars F and G¹, a plurality of bars of different lengths pivoted to said bars I and I¹, between the bars F and G¹, in positions parallel to each other, and said bars F and G¹, a pencil socket mounted in the front end of each of the bars F, G¹, and the intermediate parallel bars all arranged in a line oblique to the bar E, the bar D pivoted to one end of the bar E, and arranged to support the front ends of the bars F and G¹, and the intermediate parallel bars at one side of said pivotal connection in the opposite direction, and provided with a longitudinal slot extending from a point in close proximity to said pivot to a point some distance outside, thereof and fulcrumed upon a stud or pivot constructed and arranged to be adjusted to a greater or less distance from said pivotal connection, a pattern plate suspended above the pencil carrying bars, and a guide wheel or truck constructed and arranged to roll in contact with the edge of said pattern plates with its edge at the point of contact directly over the centre of one of the pencil sockets. 4th. In a machine for outlining and proportioning patterns of different sizes from a single model, the combination with a pantograph having a series of pencil carrying bars of different lengths arranged parallel to each other, of the bar D pivoted to the main bar of the pantograph and extend-