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### INVENTIONS PATENTED.

No. 5278. ANSON O. KITTRIDGE, WILLIAM H. CLARK and WILLIAM J. CLARK, Salem, Ohio, U. S., 20th October, 1875, for 5 years: "Oil Can." (Bidon à l'huile.)

*Claim.*—In combination with an oil can a revolving sink, consisting of the bottom E, and side F, resting upon a ledge G, and whereon it revolves under the stationary top D; 2nd. The combination of the can A, revolving sink C, stationary top D, conical stationary top L, and revolving door M, collar N, and sleeve O; 3rd. The pump I, provided with a detachable spout H, for looking the same in the can A; 4th. The can A, revolving sink C, stationary top D, revolving door M, stationary top L, and pump I.

No. 5279. FREDERICK C. TAPLEY, (Assignee of Henry Pease) Clarkson, N. Y., U. S., 20th October, 1875, for 5 years: "Improvements in Knitting Machines." (Perfectionnements aux machines à tricoter.)

*Claim.*—1st. The combination of two needle-cylinders B, B, with two corresponding sets of long and short needles  $d_1, d_2, d_3$ , arranged in alternate grooves of the cylinders, the needles of each set alternating in action with each other, and the short needles of one set acting in conjunction with the long needles of the other set, and vice versa, to produce a fabric of double thickness; 2nd. The combination with the needle-cylinders B, B, of the quadruple cam blocks D, D<sub>1</sub>, D<sub>2</sub>, D<sub>3</sub>, carrying the cams E, E, and arranged to be shifted in opposite pairs by the movement of a lever, so as to operate in connection with the alternate sets of needles; 3rd. The combination with the shifting cam-blocks D, D<sub>1</sub>, D<sub>2</sub>, D<sub>3</sub>, of the parallel rock levers F, F<sub>1</sub>, rock-arm K, and stops H, H.

No. 5280. LOUIS BASKET, New York, U. S., 23rd October, 1875, for 5 years: "Improvements on Electro-Magnetic-Engines." (Perfectionnements aux machines électro-magnétiques.)

*Claim.*—The combination with the rotary shaft G, or hub S, of the series of T-shaped armatures B, C, consisting of radial arms B, and axially or laterally extending cross-heads C, the said T-shaped armatures being magnetically isolated from each other, and having no connection of any kind one with another, except through their common hub S, on the shaft G.

No. 5281. WILLIAM M. ADAMS, Toronto, Ont., 23rd October, 1875, for 5 years: "Improvements on Chimney Cowl." (Perfectionnements aux chapeaux de cheminées.)

*Claim.*—The revolving cowl B, provided with the bell mouthed tapering tube C, the exhaust end of which is placed centrally within the mouth of the cowl, in combination with the cylindrical top A.

No. 5282. LAWRENCE O. ROOT, Minneapolis, Min., U. S., 23rd October, 1875, for 5 years: "Improvements in

Rail Road Cars." (Perfectionnements aux wagons de chemin de fer.)

*Claim.*—1st. A rail road truck provided with two longitudinal runners, one at each side of the same, one on the outside of the wheels, having grooves or shoulders on their inner lower edges to engage the outer flange of the rail and confine the car to the road bed of the track, in case the wheels leave the track or a rail becomes broken; 2nd. The combination of the runners A, stays G, brake beam B, provided with shoes M, and springs L, bearing against the standards K, and the link N, and lever O, for applying the brakes to the wheels P.

No. 5283. GEORGE B. DURKEE, Nelson, N. Y., U. S., 23rd October, 1875, for 5 years: "Snap-Hook." (Porte-mousqueton.)

*Claim.*—The combination with the hook A, A<sub>1</sub>, of the pivoted-stop B, and spring E.

No. 5284. IVORY A. RICHARDSON, Malden, Mass., U. S., 23rd October, 1875, for 5 years: "Improvements on Playing Cards." (Perfectionnements aux cartes à jouer.)

*Claim.*—1st. Playing cards each suit of which is indicated by a different or distinguishing colour, the emblematic cards being provided with numerals to indicate the size or value of the card, and having such numerals, or in lieu thereof, a distinguishing margin or border corresponding in colour with the suit to which the card belongs; 2nd. The round playing cards each suit whereof is indicated by a distinguishing colour, and having numerals showing the size or value of the emblematic cards.

No. 5285. SAMUEL W. STEELE, and JOSEPH BAYER, Northfield, Vt., U. S., 23rd October, 1875, for 5 years: "Marbleizing Compound." (Composé pour marbrer.)

*Claim.*—1st. The following ingredients: No. 1: Spirits of turpentine, boiled oil, gun powder, saltpetre, beef's gall, and colouring matter; No. 2: Spirits of turpentine, boiled oil, nitric acid, and colouring matters; and No. 3: gum arabic, sugar, glue, beef's gall, and water in the proportions set forth; 2nd. The process of marbleizing surfaces consisting essentially of first painting the same with composition No. 1: and then dipping it in composition No. 3: upon which has been floated composition No. 2.

No. 5286. GEORGE C. EASTMAN, Lewiston, Me., U. S., 23rd October, 1875, for 5 years: "Flour Sifter." (Tamis à farine.)

*Claim.*—The combination of the woven wire body A, the peripheral rim B, and the arched handle C, with the supporting cross E, E, arranged in the said body and fastened to the rim; The combination of the metallic ring D, the woven wire body A, the plate rim B, the handle C, and the strengthening cross E, E.

No. 5287. SAMUEL LANDON, Iroquois, Ont., 23rd October, 1875, for 5 years: "Oil Tank." (Réservoir à l'huile.)

*Claim.*—1st. The combination of an independent cover or lid B, having a dome or cap I, hinged at the end of its greatest diameter with an oil tank A; 2nd. The combination of an independent pump H, having perforations or holes a, and a tripod valve b, at its bottom with an oil tank A.