C, as set forth, the tubes or receivers D, to hold the charges of bicarbonate of soda ; 3rd. A fire extinguisher having concave heads a, bearing under beads or flanges b, on the body ; 4th. The plug B, having its handle or rim constructed as shewn, forming means whereby to carry the machine, as set forth.

No. 3600. FRANKLIN R. SMITH, Bennington, Vt., U. S., 6th July, 1874, for 5 years: "Bed Springs." (Ressorts des lits.)

Claim.—The spring A, having a seat a, for the slat to rest on, and one or more tongues d, for holding on the seat all formed of the end of the spring as set forth.

No. 3601. JOHN BROOKS, and ALEXANDER BOURASSA, Coaticook, Que., 6th July, 1874, for 5 years : "Washing Machine." (Machine à laver.)

Claim—The combination of the handle C, socket B, B, and cross-wire D, D, with the funnel shaped body A, in the manner specified.

No. 3602. WILLIAM CLARK, Brampton, Ont., 6th July, 1874, for 5 years: "Clothes' Line, Rope and other Fastener." (Attache de lignes d'étendage et autres.)

Claim.—1st. The combination of the jaw clamps, E, and D, and their utility in holding the rope as adjusted ; 2nd. The combination with the jaw or clamps E, and D, and their utility in holding the rope as adjusted.

No. 3603. JAMES H. WENTWORTH, Boston, Mass., U. S., 6th July, 1874, for 10 years: "Improvements in Stoves." (Perfectionnements dans les poêles.)

Claim.—1st. The opening L, in the rear wall of the ash-pit constructed and arranged as described ; 2nd. In combination with the grate K, and opening L, arranged as set forth, the ledge d, provided with one or more notches e ; 3rd In combination with the tank N, the hollow chamber or heater O, in the descending flue H, and communicating with said tank by the pipes or passages f, g, as described.

No. 3604. HARRIET R. TRACY, wife of G. C. Tracy, New York, U. S., 6th July, 1874, for 5 years : "Sewing Machine Cabinet." (Buffet de machine à coudre.)

Claim —1st. A set or case of drawers A, pivoted at its corner or angle to a sewing machine cabinet or table in such a way that it may be swung in beneath its top, and may be swung out through three quarters of a circle to be parallel with the end of the said cabinet or table ; 2nd. The combination of a hinged or pivoted bar or leg D, with a case of drawers A, pivoted at its corner or angle to a sewing machine cabinet or table ; 3rd. The combination of the hinged bar E, and hinged leaf F, with the case of drawers A, pivoted at its corner or angle to a sewing machine cabinet or table, as described.

No. 3605. DANIEL ATBURY and EDWIN A. OSBORNE, Charlotte, N. C., U. S., 6th July, 1874, for 5 years : "Apparatus and Process for Bleaching, Washing, Making Extracts, &c." (Appareil et procédé de blanchiment, lavage, fabrication d'extraits, &c.)

Claim.—1st. The combination of a chamber for containing the material to be treated communicating with a water heating and steam generating chamber only by a series of pendant tubes to operate as described ; 2nd. Causing the heated water to circulate through the materials to be treated first in an upward and then in a downward direction by the direct action of steam as described.

No. 3606. HENRY M. SKINNER, Rockford, and LEWIS W. DOTY, Marengo, Ill., U. S., 6th July, 1874, for 5 years ; "Riding Plough." (Charrue à siège.)

Claim.—1st. Combination of the plough G, beam E, axle arm or bar A, stub axles A^1, A^2, eccentric axle B^1, for preserving the parallelism of the plough, all working together in the manner described. 2nd. The combination of the tilting plough beam E, standards F F^1, windlass shaft L^1, ratchet wheel l, and spring treadle pawl l^1, constructed, arranged and operating as set forth ; 3rd. The combination of hand lever L, with its spring bolt detent plate L^2, shaft L^1, and chain or cord K for raising purposes : 4th. The combination plough-standard G^1, plate G^2, staple g^1, and plough beam E ; 5th. The tongue H, hinged in the rear of the front end of and to the plough beam at a point forward of the axle in combination with the guide standards on the forward end of the beam ; 6th The tilting plough beam and hinged tongue in combination with the tilting looking lever I, operating as described ; 7th The foot board J, in combination with the forward end of the tilting plough beam and the tongue locking device ; 8th. The construction and arrangement of the clevis irons m and n, in combination with the plough beam for adjusting the line or point of draught ; 9th. The angular stub axle plate A^1 made adjustable on the axle bar ; 10th. The adjustable coulter standard R, in combination with the adjustable supporting plates s, provided with the knife edged bearings s^1, formed on them as described.

No. 3607. MARTIN WAY and FRANK WAY, Springfield, Mass, U. S., 6th July, 1874, for 5 years: "Clothes Wringing Machine." (Machine à tordre le linge.)

Claim.—1st. A bar or roll E secured in the trough or spout of a clothes wringer ; 2nd. The roll E, of decreasing diameter from each end toward its middle secured in the mouth of the trough D^1 ; 3d. The box or bearing G, having the studs a and notch b or its equivalent ; 4th. The box or bearing G having the lip d, 5th The box or bearing G cast complete with the oil hole or recess C, studs a, and notch b ; 6th. The wash bench having its cross bars made of cast iron with sockets for the legs, 7th The castiron cross-bar H for a wash bench having sockets i, for the supporting legs and sockets l, for the wringer standards ; 8th. The cast iron cross-bar T, having the soap dish, and the depending arm m, formed thereon ; 9th. A cast iron cross-bar for a wash bench cast complete in one piece with sockets for the supporting legs and holes for the fastening screws ; 10th. In combination with the wash bench, constructed as described, the extension slide or shelf arranged to operate as described.

No. 3608. CYRENUS WHEELER, Jr., Auburn, N. Y., U. S., 6th July, 1874, for 5 years : "Combined Reaping and Mowing Machine." (Faucheuse-Moissonneuse.)

Claim.—The outside shoe or divider in two parts N, N_1, the part N^1 being adjustable on the part N, as at r, for adapting said shoe for reaping or mowing ; the lock bolt q, for locking the outer end of the platform to the outer shoe, and for unlocking it when it is to be removed ; the hinged supports R, R, for the outside supporting wheel T, in combination with the adjustable slide S, for raising or lowering said wheel upon its supports ; the rake stand 24 with its branched legs 25, 25, in combination with the lugs c^1, c^2 with twist studs b^1, b^2, and eye bolts 26, 26, for the purpose of easily attaching and detaching said rake stand and its attached parts, to and from the inside shoe ; the pivoted shield board M, the rail 29 in combination with the rake-reels for the purpose of adjusting said rake-reels to the platform ; the gag lever J^1 when combined with and arranged to be operated by the driver through the lever G^1 ; vibrating beam E^1, rocking bar d^2, and its crank arms e^2 and h^1, and chain and link attachment ; the pendant gag x^1 attached to the front or gear frame A, in combination with the projection y^1, on the rear or cutter frame to aid in raising up said rear frame ; the windlass, or drum c^1, with its ratchet m^1, and chain k^1 for raising, lowering and holding the rear of the cutter frame, at a regulated height above the ground ; the hinged coupling piece Z, for connecting the cutting apparatus to the cutter frame, when said coupling serves also as a shield for the sleeve, arm e^1, and rock shaft d^1, the vibrating beam E^1, pivoted to a stand F, on the gear frame, in combination with the lever G^1, and chain connecting f^1, or r^1, the chain wheel 18 and clutch box 20 with the spring bolt 21, for attaching and detaching said chain wheel to or from the main driver ; the double sets of lugs a and b on the drive wheels, the former to increase the traction of said drivers on the ground, the latter to prevent the machine from slipping laterally when working on inclined ground ; the wrought iron Y shaped frame W, in combination with hinged cast iron frames A, B ; the bushed journal bearing Z^1 ; the sleeve B^1, the oil hole cover 11, with the arms 13, and teats 14, for the purpose of easy attachment to the frame, the combination of the front or gear frame A and the rear or cutter frame B, when connected to each other and to the main axle, by hollow or tubular bearings, so that both may vibrate about the main axle as a centre of motion but independent of each other, and when the front frame carries the boxed gearing and the rear frame the cutting mechanism to be worked by it ; the slot 15 on the front frame and the end 16 of the sleeve, projecting therein and moving up and down through said slot, so as to give lateral support to the independently moving frames in the quadrant or arc w^1, on the rear frame but placed over the axle C, in combination with the lever I^1, hinged to the rear frame below the axle ; the abutment F, in combination with the seat support G and seat H, for making said seat transposable and reversible ; The rod q^1, in combination with the lever I^1 and arm r^1, in the coupling piece Z for the purpose of tipping the points of the guards or rocking the cutting apparatus about the pivotal rod or bar z, the gear cover F, and tool box cover J, separately hinged but both fastened by the same hook or hasp k, l ; The clearer 23, for forcing the chain out of the groove of the chain wheel 18, should it stick therein, as it is apt to do ; the yielding connection between the pitman and cutter bar ; composed of the ball, socket, and hollow screw as shown in fig 10.

No. 3609 WILLIAM N. WHITELEY, Springfield, Ohio, U. S., 6th July, 1874, for 15 years. "Mowing and Reaping Machine. (Faucheuse-Moissonneuse.)

Claim.—1st. A two wheeled jointed bar reaping machine, the rake and reels mounted upon an axis oblique to the perpendicular plane of the drive wheel, in combination with the supporting arch and driving mechanism for the rake and reel ; 2nd. The rake supporting arch or bridge A^1, constructed with a lateral offset e, and oblique top surface, 3rd. The radially serrated base plate B, provided with the pinion stud q_1, combined with the rake cam T^1, provided with corresponding radial serrations ; 4th. The rake cam D^1, mounted upon the bridge A^1, and secured thereto by a single axial bolt d^1, so that by simply loosening said bolt, said rake cam may be adjusted as desired ; 5th. The switch t^1, and the