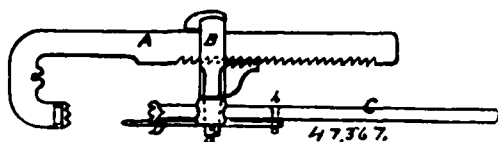


and mechanism by which its expansion and contraction operates the damper, a continuously operating heating device, and a guide which conducts the heat current thereof to the expanding and contracting device, mechanism by which the relative positions of the heating device and the heat receiving mouth of the guide are controlled, and a thermostat connected to and operating such mechanism, substantially as set forth. 2nd. In a temperature regulator, the chamber D, the valve or damper, and connections by which the expansion and contraction of the contents of the chamber operates the damper, a heating device and a guide to direct its heat against the chamber, mechanism by which the relative positions of the heating device and the guide are controlled, and a thermostat connected to and operating said mechanism, substantially as set forth. 3rd. In a temperature regulator of the general character described, the expanding and contracting element, the heating device, the guide to direct its heat against the expanding and contracting element, the receiving mouth of the guide being movable, in combination with mechanism adapted to move it toward and from the heating device, a thermostat, and connections by which it actuates said mechanism, substantially as set forth. 4th. In a temperature regulator of the general character described, a chamber D, a heating device, in combination with a duct to direct its heat against the chamber, having its receiving mouth notched at one side, and mechanism which controls the relative position of the heating device and the duct, substantially as set forth.

#### No. 47,367. Wire Fence Stretcher.

(Tendeur de fil métallique.)

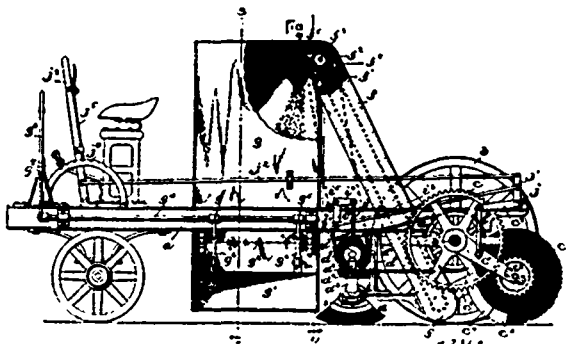


Télesphore Laverdière, Village de Beupré, Comté de Montmorency, Province de Québec, Canada, 2 novembre 1894; 6 ans.

**Résumé.**—Un appareil pour tendre les fils métalliques composé d'un tige principale A, dentée telle que montrée recourbée à l'une de ses extrémités, et ayant une tête mobile B, munie d'un cliquet et d'un levier C, portant une patte pointée D, le tout tel que décrit et pour les fins indiquées.

#### No. 47,368. Street Sweeping Machine.

(Balayeur mécanique pour rues.)



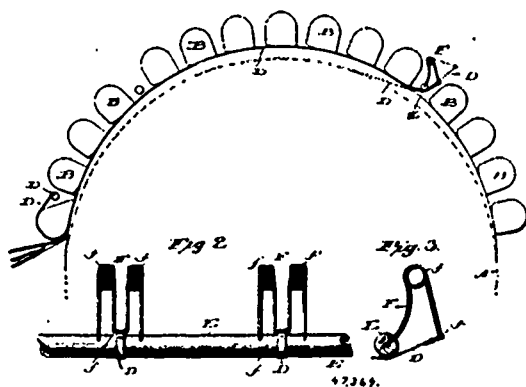
Charles Milton Kimball, Toledo, Ohio, U.S.A., 3rd November, 1894; 6 years.

**Claim.**—1st. In a street-sweeping machine, the combination of ground-wheels, a brush in gear with said wheels and vertically movable, a clutch controlling connection between the ground-wheels and the brush, and a handle for simultaneously shipping the clutch and raising or lowering the brush. 2nd. In a street-sweeping machine, the combination of ground-wheels, a main brush of cylindrical form in gear with said ground-wheels and in bearings on vertically movable supports, side-brushes of disc form also in gear with the said ground-wheels and vertically movable, a brush-controlling handle, and connections between the same and both the main brush and the side-brushes, whereby they may be raised or lowered. 3rd. In a street-sweeping machine, the combination of ground-wheels, a main brush of cylindrical form in gear with said ground-wheels and in bearings on vertically movable supports, side-brushes of disc form also in gear with the said ground-wheels and vertically movable, a clutch-controlling connection between the ground-wheels and the brushes, and a handle operatively connected with the clutch and with the brushes, whereby it operates to ship the clutch and simultaneously raise or lower the brushes. 4th. In a street-sweeping machine, side-brushes of disc form on sliding spindles, levers engaging said spindles and operating to slide them in their bearings, means for working the said levers, and operative connections between the spindles and ground-wheels for revolving

the brushes. 5th. In a street-sweeping machine, the combination of a cross-beam having oblique bearings at its ends, sliding spindles extending through said bearings and carrying brushes at their lower ends, bevel-gears splined on their spindles, a cross-shaft carrying bevel-gears in mesh with those on the spindles, suitable driving connections between said shaft and ground-wheels, and means for sliding the spindles to raise or lower the brushes. 6th. In a street-sweeping machine, the combination of a supporting frame, ground-wheels on an axle in bearings on said frame, a gear-wheel and a sprocket-wheel fixed together and both loose on the said axle, a clutch splined to the axle and adapted to rotatively connect the same with the gear and sprocket-wheels, a pair of arms pivoted on the axle, a cylindrical brush in bearings on said arms and carrying a gear-wheel in mesh with that on the axle, a cross-shaft carrying a sprocket-wheel connected by a chain with that on the axle, said shaft also carrying bevel-gears, side-brushes of disc-like form, having sliding spindles with bevel-gears splined to them and in mesh with those on the said cross-shaft, a rock-shaft, suitable connections between the same and the clutch for shipping the latter, suitable connections between the said rock-shaft and the arms supporting the cylindrical brush, whereby the latter may be raised and lowered, suitable connections between said rock-shaft and the sliding spindles of the side-brushes for raising and lowering the latter, and a hand-lever operatively connected with the rock-shaft.

#### No. 47,369. Tape for Laundry Machines.

(Ruban pour machines de buanderie.)



Allen Conkling, Chicago, Illinois, and Thomas S. Wiles, Albany, New York, both in the U.S.A., 3rd November, 1894; 6 years.

**Claim.**—1st. A metallic guide and feed tape for laundry machinery, as set forth. 2nd. A guide and feed tape of a non-corrosive metal, as set forth. 3rd. A metallic feed and guide tape, combined with a take-up connected therewith, as set forth. 4th. A guide and feed tape for the purpose described formed of phosphor bronze, as set forth. 5th. The combination with a tape, of a yielding take-up connected therewith, as set forth. 6th. The combination with a tape, of a yielding take-up having a loop connected with one end of said tape, as set forth. 7th. The combination with a tape, of a rod at right angles to the length thereof, and beneath which the tape passes and a yielding take-up mounted on said rod and connected with the tape, as set forth.

#### No. 47,370. Method of Mounting Chair Bottoms, Table Tops, &c. (Méthode de former des supports de chaises, tables, etc.)

Wilhelm Droeser, London, England, 3rd November, 1894; 6 years.

**Claim.**—1st. The method of mounting chair bottoms, table tops and the like so as to cause them to maintain a horizontal or approximately horizontal position irrespective, within the required limits, of the inclination of the floor on which their leg supporting frame rests, consisting in supporting the chair bottom or other part a, in the line of its centre of gravity by a spherical bearing b, which is supported in a plane adjacent to its horizontal plane of greatest area by ball bearings c, contained in a rigid annular frame c', supported by a leg-framing c'', and in causing the stable equilibrium of the part a, so supported to be maintained by the application of its own weight to the bearing b, or a depending extension thereof at a point below the plane of support of such bearing, as set forth. 2nd. In combination, a chair bottom, table top or other sitting or supporting part a, of an article of furniture or the like, a spherical bearing b, truncated as at b', hollowed as at b'', provided with a depending extension or gravity device b', and recessed as at b'', in the line of its centre of gravity to a point below its plane of support, a standard a', connecting the part a, with the bearing b, in the line of its centre of gravity and below its plane of support, ball bearings c, supporting the bearing b, in a plane adjacent to its horizontal plane of greatest area, a rigid annular frame c', supporting the ball bearings, a