pendently of each other, and supports which provide rigid lateral bearing for the tiltways, when the latter are respectively released from onsageness and the little as and a whiting device. 32th The combination, with two independent tiltways, as the latter are respectively disconnected from both the same and adapted to be longitudinally moved, the ends of said shifting bar having free bearing respectively moved, the ends of said shifting bar having free bearing respectively moved, the ends of said shifting bar having free bearing respectively moved, the ends of said shifting bar having free bearing respectively moved, the ends of said shifting bar having free bearing respectively controlled with tiltways, a depending standard supporting the table, and as set serve which carriage of a table located below the latter and provided with tiltways, of mechanism which adjusts she table in horizontal inclination lengthwise with from the carriage. 28th. The combination, with a shingle bolt carriage and a she located below the latter and provided with tiltways for mechanism which adjusts the table in horizontal inclination lengthwise with from the carriage. 28th. The mechanism which adjusts the table in horizontal inclination, with a standard depending from the table on which the tiltways are mounted, of a spring connected to the bearings in which the standard is supported, and a set serve which adjusts the table in horizontal inclination, with a standard depending from the table on which the litways are mounted, as pring which connects the upper extremity of said parallel bar to a support. 32nd. The combination, with a standard depending from the saw end of the table on which the litways are mounted, and a spring which connects the upper extremity of said parallel bar to a support. 32nd. The combination, with a standard is litted, and a spring which connects the upper extremity of the parallel bar provided with sold bearings in which the standard is litted, and a spring which connected by intermediate mechanism. 34th adm

#### No. 14,119. Improvements on Feather Renovators. (Perfectionnements aux rénovateurs de la plume.)

Edmund B. Dufort, Toronto, and Henry Eldridge, Clarke, Ont., 6th February, 1882; for 5 years.

February, 1882; for 5 years.

Claim.—1st. The combination of the double walled semi-cylinder provided with pipes for the introduction of steam, the double walled cover J having ventilating apertures at top and side, and the fan F enclosed by the semi-cylinder and cover, whereby the feathers are moistened by steam, the semi-cylinder and cover heated by steam to dry the feathers and the impurities removed from the feathers, by the fan creating a ventilating current and transfer the feathers to the tick. 2nd. The double walled cover J having ventilating apertures provided with doors K L and doors M N at the side, in combination with a semi-cylinder A and fan F, for creating a ventilating current. 3rd. The double walled cover J having at the side a spouted aperture o, for discharge of the feathers, in combination with a revolving fan F and semi-cylinder A. 4th. The semi-cylinder A constructed of unbro-

ken double walls provided with steam pipes B B CC, the pipes B discharging into the semi-cylinder and pipes C discharging between the wall, the outer wall having a waste steam pipe D. 5th. The semi-cylinder A having at top a chamber J with ventilating apertures and discharge apertures  $\sigma$  in the side, in combination with a rotary fan F, for creating a current to remove the impurities and transfer the feathers to the tick.

## No. 14,120. Improvements in Car-Couplings;

(Perfectionnements aux accouplages des chars.)

Daniel P. Prescott, Vernon, Vt., U.S., 6th February, 1882; for 5 years.

years.

Claim.—1st. The draw bar D having a horizontal chamber in the rear of its mouth to receive a pin lifting lever and a pin supporting latch, the lever b pivoted within said draw-bar and having its free end extending near to the rear side of the coupling pin hole therein, the latch h pivoted to hang at the rear side of the draw-bar mouth and to swing therein, the pin c having; the slotted arm r, and appliances for swinging lever h up and down. 2nd In combination, the shaft d having the arm n thereon, lever b, rod e, pin c and the link n. 3rd. The coupling pin c having the slotted arm r thereon, the lever b to engage with said slotted arm, and appliances for lifting said lever b. In combination, shaft d having arm n thereon, spring r, rod e bar lever b. 5th. In combination, the curved pivoted latch h, draw-bar lever b. 6th. In combination with the draw-bar of a carcoupling having oblong coupling pin holes therethrough, the flat sided coupling pin e provided with the slotted arm r. 7th. In combination, the draw-bar of a carcoupling having the projection to on the rear curved side of its mouth, and the fulcrum block m on the lower front edge thereof, and the link c.

## No. 14,121. Improvements on Compositions of Matter for the Prevention and in Removal of Incrustations in Steam Boilers. (Perfectionnements and composés pour empêcher où enlever les incrustations dans les chaudières à vapeur.)

Hugo Kolker, Breslau, Prussia, 6th February, 1882; for 5 years. Claim.—A solution of chestnuts applied as incrustation preventive-

### No. 14,122. Apparatus for Separating Petro leum Products. (Appareil pour separer les produits du pétrole.)

James Cole, jr., Cloveland, Ohio, U.S., 6th February, 1882; (Extension of Patent No. 7155.)

#### No. 14,123. Explosive Compound.

(Composé explosible.)

Egbert Judson, San Francisco, Cal., U.S., 6th February, 1882; (Extension of Patent No. 7148.)

### No. 14,124. Apparatus for Separating Petroleum Products. (Appareil pour separer les produits du pétrole.)

James Cole. jr., Cleveland, Ohio, U.S., 7th February, 1882; (Extension of Patent No. 7155.)

#### No. 14,125. Explosive Compound.

(Composé explosible.)

Egbert Judson, San Francisco, Cal., U.S., 7th February, 1882; (Extension of Patent No. 7148.)

## No. 14,126. Improvement in Barber and Dental Chairs. (Pe fectionnement des chaises de barbiers et de dentistes.)

George W. Archer, Rochester, N.Y., U.S., 7th February, 1882; (Extension of Patent No. 7292.)

# No. 14,127. Improvements in Can Stoppers.

(Perfectionnements aux bouchans des bidons.)

William H. Rodden, Toronto, Ont., 7th February, 1882; for 5 years William H. Rodden, Toronto, Ont., 7th February, 1882: for 5 years. Claim.—1st. In combination with the neck of a can or vossel provided with a spout B and vent aperture a in opposite sides thereof, turning stopper C provided with channels cd on either side read apfrom the bottom of the same above the said spout outlet and vent aperture, and a chain D swivelled to the said stopper and attached to the ean neck, or a spiral spring attachment F provided with guard to stop links i attached to the stopper and the can, so as to food the can, in combination with the turning stopper C and holding chain. D. 3rd. The spiral spring attachment F provided with guard of stop links it, in combination with the turning stopper C and holding of stop links it, in combination with the turning stopper C.

# No. 14,128. Improvements on Compounds for Sewer Pipes Sidewalks, it. (Perfection nements dans les agylom

Daniel H. Dorsett, Clinton, Iowa, U.S., 7th February, 1882; for 5 years.

Claim.—A composition of asphaltum, sand, paraffine, black oxide of manganese, black lead and sal ammonia.