reservoir and a rost by which the reservoir is supported, substantially as described. 11th. The generating cylinder rest 10, having valve 12 and a discharge tube having a stop cock 22, in combination with chemical reservoir 7, having slots 3 and operating shaft 16 having cross-piece 17, whereby the reservoir is turned away from the valve, substantially as described.

No. 25,377. Method of and Apparatus for Carburetting and Mixing Gas and Air. (Mode de Carburation et de Mélange du Gaz et de l'Air, et Appareil pour cet objet.

George R Cottrell, New York, and Ballard S. Dame. Brooklyn, N.Y., U.S., 17th November, 1886; 5 years.

cet object.)

Georga R. Cottrell, New York, and Ballard S. Dame. Brooklyn, N.Y., U.S., 17th November, 1886; 5 years.

Claim.—18t. The method of producing carburetted gas of the desired candle power for illuminating or heating purposes, which consists in heating the gas, then carbureting it, withdrawing such gas from the carbureter, and mixing with it a suitable proportion of atmospheric air and conducting it to the place of use. 2nd. The method of method of the desired candle power for illuminating on the desired candle power for illuminating or heating purposes, of the desired candle power for method of method of the desired candle power for the mixing with it a suitable proportion of atmospheric air to adapt it for use, as described. 3rd. The method of producing carburetering activated gas of the desired candle power for heating or illuminating purposes, which consists in heating or warming the carbureting it with the subject of the desired gas thereto, and carburetung it with the subject of the subject of the desired gas thereto, and carburetung it with the subject of the subject o

No. 25,378. Shingle Packer.

(Cordeuse de Bardeau.)

Isaao M. House, Gravenhurst, and Alfred R. Williams, Toronto, Ont., 16th November, 1886; 5 years

Chain.—1st. A shingle packer of solid iron having adjustable ends C. D. one of which sides is pivoted so as to swing outwards, substantially as shown and for the purpose specified. 2nd. In a shingle packer, the combination of the purpose specified. E. Having notehos, with the vertical blocks F. F. having corresponding ratchets, both engaging with pinions G. ... and being actuated by a lover H. which lover is retained by a rack d. all arranged and operating substantially as shown and for the purpose specified.

No. 25,379. Dynamo-Electric Machine.

(Machine-Dynamo-Electrique.)

Ernest P. Clark, Ann E. Applegate and James H. Seymour, New York, N.Y., U.S., 17th November, 1886; 5 years.

Ernest P. Clark, Ann E. Applegate and James II. Seymour, New York, N.Y., U.S., 17th November, 1836; 5 years.

Claim.—1st. In a dynamo-electric unchine, an external and an internal pole-piece, each pole-piece being the segment of a cylinder, and the said pole-pieces being connected by a plate of magnetic material, substantially as described. 2nd In a dynamo-electric machine, a field-magnet, the axial lines of whose coils are without the cylindrical surface of a cylindrical or ring armature, a second field magnet, the axial lines of whose coils are within the cylindrical surface of a cylindrical or ring armature, and a third field-magnet having external pole-pieces, and the second and third field-magnet having external pole-pieces, and the second and third field-magnets having common internal pole-piece, substantially as and for the purpose described. 3rd. In a dynamo-electric machine, the combination of a shaft provided with a ring armature, internal pole-pieces and magnets connecting them to each other, and two additional field-magnets, one of which has coils whose axial lines are parallel to the said shaft, and is connected to the external pole-pieces, and the other of which has coils whose axial lines are parallel to the said shaft and is connected to the internal pole-pieces, substantially as described. 4th. In a dynamo-electric machine, the combination of a shaft provided with an armature, internal pole-piece, and magnets connecting them to each other, and two additional field-magnets, one of which has coils whose axial lines are parallel to the said shaft, and is connected to the external pole-pieces, and though the soil shaft and is connected to the external pole-pieces, and the other of which has coils whose axial lines are parallel to the said shaft, and is connected to the external pole-pieces, and the other of which has coils whose axial lines are parallel to said shaft and is connected to the internal pole-pieces, and the said external and nuornal pole-pieces being connected to said shaft and is conn

No. 25,380. Scale Section Liner. (Rigle.)

Daniel W. Briggs, Saginaw. Mich., (assignce of Casimir N. Podgorski, Northampton, Mass.), U.S., 17th November, 1886; 5 years.

Northampton, Mass., U.S., 17th November, 1886; 5 years.

Claim.—1st. The within-described improved scale section liner consisting of a straight edge ruler provided with teeth to a scale, and a triangle set square or other figure having a straight base provided with one or more teeth corresponding to and engaging with those of the ruler, and adapted to be moved over said ruler to have the intervals of morement of its ruling edges determined by the teeth of the ruler, the two combined and operating, as and for the purpose set forth. 2nd. The notched plate d attacked to the triangle or set square, and made adjustable thereon, substantially as described. 3rd The dre-ving board C having the rule B attached thereto, and provided with the notched segment or plate b, substantially as described. 4th. The drawing board or other support C having the adjustable ruler B attached thereto, and provided with the notched plate b, substantially as described. 5th. The drawing board C having the rule B applied thereto, and provided with the notched plate b, in combination with a straight edged drawing implement provided with the notched plate d, substantially as described.

No. 25,381. Telegraphing or Telephoning from Stations to Moving Cars. Telephoning (Moyens de Télégraphier ou Téléphoner des Stations aux Chars en Mouverient.)

William Vogel and Otto Wasmansdorff, Chicago, Ill., U. S., 17th November, 1886; 5 years.

Novembor, 1836; 5 years.

Claim—1st. The combination, with a railroad car, of a spring-supported receiving chamber, such chamber being formed with double walls and provided with an interposed packing, as and for the purpose set forth. 2nd. The combination, with a railroad cards a receiving chamber which is placed therein and suspended upon springs, and the brackets for seeping the lower end of the chamber from moving about, substantially as described. 2nd. The combination of the railroad car, a suspended receiving chamber placed therein, and suitable electrically-operated mechanisms in the chamber with the connecting wires, a conducting connection which is applied to the under side of the car, a support which extends along the main track and upon which the conducting connection travels, and a conducting wire placed upon the insulating material, and connected to the support, substantially as specified. 4th, The combination, with a railroad car, of a receiving chamber P, springs Q, cross beam R, springs S, and hangers T, the parts arranged as and for the purpose set forth. 5th. The combination, with a railroad car, of a receiving chamber P formed with double walls, and provided with interposed packings, springs Q, cross beam R, springs S, and hangers T, the parts arranged as and for the purpose set forth.

No. 25,382. Cigar Bunching Machine. (Machine à Lier les Cigares.)

(Machine a Lier les Gigares.)

Adolph Lowin, Max Martin, Charlos Schutz, and Lovy Brothers, (assigness of Nicholas II. Borgfoldt and Adolph C. Schutz.) Now York, N.Y., U.S., 17th November, 1886; 5 years

Claim.—1st. The cylinder B having bottom a and shute C, combined with the rotary disk D having notches b, upper disk E having apertures d and scrapers II, for operation, substantially as herein shown and described 2nd The combination of the measuring disk D having the larger notches b with the upper disk E having smaller notches or apertures d, part of each notch b being covered by the disk E, as specified. 3rd. The combination of the cylinder E, and notched disk D on shalt F, with the stirrer H2, and mechanism for