No. 28.800. Box. (Boite.)

Charles W. Elliott, Hoston, Fred A. Whitney, Leominstor, and Leonard F. Lawrence, Revere, Mass., U. S., 4th April, 1888; 5

Main -In a box, the flap d and side a, whose line of junction I is reentrant, substantially as and for the purpose specified

No. 28,801. Machine for Making Metal Timher Hangers, etc. (Machine d faire les moises, etc., métalliques.)

Jacob Russell, George M. Ball, Brooklyn, Heart W. Redfield and John Cooper, New York, N.Y., U.S., 4th April, 1888; 5 years.

Der Hangers, etc. (Machine & faire Les moises, etc., metalliques.)

Jacob Russelt, fleeren M. Ball, Brooklyn, Henry W. Redfield and John Cooper, New York, N.Y., U.S., 4th April, 1883; 5 years. Claim,—1st The combination of a table C. a she in a round which the bar is bend, divince from saud table, normally in place thereon, the plant of the way of the plant of the plant of the way of the plant of the plant

and stop the machine, substantially as set forth. 19th. The combination, with the table it and doe it, and the bending or forming tools or devices E. E. F. F. In and J. of the mechanism for operating said does so consisting of shall apply the mechanism for operating said does so consisting of shall apply the mechanism for operating said of the set of the mechanism for operating shall apply the mechanism for operating shall apply the mechanism for operating shall apply the set forth. With The combination, with the die B. table C and bending-rollers E. E. of stiding frame I carrying said relier, containing shall apply the portion for a time, and then permit to complete its back stroke all in one revolution of the cam, substantially as set forth. 21st. The combination, with the die B, table C and bending-rollers E. E. of a sliding frame I carrying said rollers, a rotary shall Q, a cam O on said shall the property of the set of the property of the other, and means, such as a spring or weight, for imparting to the frame I carrying and rollers, a rotary shall Q, a cam O on said shall forthe property of the property of the property of the other, and means, such as a spring or weight, for imparting to the frame I a rearward movement when releaved, substantially as set forth. 22ad. The combination, with the die B, table i and bending rollers t. E. of a sliding frame I carrying said rollers, a shall the amendate the permittent phenomenates and the said rearm of one sail shall formed with a radiul slid I, thereing aroral noted it at the control of the cam, and note it a rate of the permittent phenomenation and the action of said cam, the noted I are stop of the permittent phenomenation of said cam, the noted I are stop of the permittent of said cam, the noted I are stop of the permitting to the action of said cam, the noted I are stop of the permitting to the work against the rear end of the direct where the rear end of the direct where the series of the latter down, substantially as set forth. 21th. The combination, with

No. 28,802. Apparatus for Generating Illuminating and Heating Gas. (Appareil & gaz d'éclairage et de chauffage)

William T. Stowart, Sullivan Johnson, J. F. Johnson, Edwin F. Earlo and Samuol U. Trent. Pittsburg, Penn., U. S., 4th April, 1888; 5 vears.

Claim.—A gas concrating apparatus consisting in the combination Claim.—A gas generating apparatus consisting in the combination of a furnace, a gas generating retort and an injector connected therewith, a steam superheating chamber provided with a series of return pipes, a steam pipe connecting the discharge and of said return pipes with the injector, an oil supply pipe connected with said injector, and an air heating chamber also provided with a sories of return pipes, the discharge and of said air pipes being connected by pipe with the gas generating retort, substantially as described and for the purposes set forth.

No. 28,803. Mechanical Movement.

(Embrayage à friction.)

Eckley B. Coxe. (co-inventor with Samuel Salmon.) Drifton, Poun., U.S., 4th April, 1888, 5 years.

Claim.—lst. As an improvement in mechanical movements, two relatively movable parts which have parallel uner faces, in combination with a double cone that is placed between, and has relling contact with, the inner faces of said parts, and is adapted to furnish a rolling sorating bearing and support for the upper part, substantially as and for the purpose specified. 2ad. As an improvement in