coincident pointing dies, and a transversely revolving rotary heading tool, substantially as specified. 16th. The combination, with a pair of rotary die carriers, of a series of opposing damused dest mounted wise of the axes of revolution, a series of geomage damused dest mounted wise of the axes of revolution, a series of concedent pounting dies, and a transversely revolving rotary heading tool and a vite feed device, substantially as specified. 17th. The combination, with a pair of the axes of revolution, a series of coincident pounting dies and a transversely revolving beauting tool, a wire feed device, substantially as appeciated. 18th. The combination, with a pair of rotary leastly as specified. 18th. The combination, with a pair of rotary leastly as specified. 18th. The combination, with a pair of rotary leastly as specified. 18th. The combination of the pair of the axes of revolution, a series of coincident pounting dies and a transversely revealing notary heading tool and the pair of rotary leastly as specified. 19th. The combination, with a pair of rotary leastly as specified. 19th. The combination, with a pair of rotary die express, of a series of opposing clamping des mounted upon each of said carriers, and with their objectative faces lying lengthways of a stransversely revolving rotary heading tool, a wire feed device and a stop or gauge for the end of the wire. substantially as specified. 29th. The combination, with a pair of rotary die carriers, of a series of opposing clamping dies are deviced device and a stop or gauge for the end of the wire. Substantially as specified. 29th. The combination, with a pair of rotary die carriers, of a series of concident pointing dies, and stantially as specified. 28th. The combination, with a pair of rotary die carriers, of a series of concident pointing dies, and the carriers of proposing clamping dies and said crairers, and with their operative faces lynching the substantially as specified. 28th. The combination of the proposing clamping dies and said rotary

shaped outling edges ez, ez, and checks or meeting faces e4, e4, outside, slightly higher than said cutting edges, substantially as specified. 36th. The retury pointing dies E. E. having their peripheral meeting faces or checks ground on a larger circle than the path of their cutting edges, substantially as specified. 37th. The combination, with a pair of continuously revolving rotary die carriers and dies thereon, of a stop for the end of the wire, and a rotary sin for feeding the wire against the stop and across the path of the dies, substantially as specified. 33th. The combination, with a pair of continuously revolving rotary die carriers and dies thereon, of a stop for the end of the wire, a rotary skip feed for feeding the wire against the stop and across the path of the dies and a rotary cutter, substantially as specified. 33th. The combination of a pair of continuously revolving rotary die carriers and dies thereon, of a stop for the end of the of the wire, a rotary slip feed for feeding the wire against the stop and across the path of the dies, a rotary sutter, and a carried gaard for the severad blank, substantially as specified. 48th. The combination, with a pair of rotary disks B. C and diamping dies thereon, of a transversely revolving otary disks B. C and diamping dies thereon, of a transversely revolving otary heading tool, and a bearing roll to caster the thrust of the heading tool, substantially as specified. 48th. The combination, with a pair of contraousity revolving rotary die carriers and dies thereon, of a stop for the end of the wire, and a carry stip feed for feeding the wire against the other and a double come bearing roll R bearing against the vero against the stop and across the path of the dies, a rotary cutter, a curved guard for the several blanks, a transversely revolving rotary heading tool and a double come bearing roll R bearing against the bearing of the sea of the disks opposite the point of thrust, substantially as specified. 48th. The combination, with the shaft B. C. and c

No. 29,062. Brick Machine. (Machine à brique.)

Charles L. Emens, Holton, Mich., U.S., 1st May, 1888: 5 years.

Charles L. Emens, Holton, Mich., U.S., 1st May, 1838: 5 years.

Claim.—1st. The combination, with the horizontal chamber and the right and left feed screw therein, of a tempering chamber communicating with the horizontal chamber and containing a tempering shaft, which feeds the clay to the right and left hand feed screws, substantially as specified and shown. 2nd The combination of the horizontal chamber having duplicate compartments and an intermediate casing, a right and left hand feed screw journalted in the intermediate casing, a tempering chamber located centrally adjacent to the horizontal chamber and communicating with the compartments of the latter, and a tempering or forcing device in the tempering chamber, substantially as described. 3rd. The combination of the horizontal chamber having displicate compartments, and a casing intermediate between said compartments, the feed screw provided with right hand augers in one compartment, the feed screw provided with right hand augers in one compartment, and left hand augers in the other compartment, journalided in the intermediate casing and actuated by devices applied to that portion of the shaft within the said casing, and a tempering chamber and its shuft arranged expensite the middle casing so as to deliver clay to the duplicate compartments, substantially as described.

No. 29,063. Bottle Capsule.

(Capsule de bouteille.)

William Lawson, Dublin, Ireland, 1st May, 1888; 5 years.

William Lawson, Dublin, Ireland, 1st May, 1883; 5 years.

('Inim.—1st. The combination, with a bottle, of a cap adhesively secured on the top of the bottle head, and consisting of a disc of thin gliant paper having sections removed from the encumferential pertion thereof to form isolated fingors, which are bent down and altresively secured to the sides of the bottle head without overlapping, and a strap likewise of thin pliant paper enveloping the bottle nock, and vertical sides of the head to cover the cap fingors and albewely secured to position, substantially as set forth. 2nd. The combination, with a bottle, of a cap adherively secured on the top of the bottle head, and consisting of a disc of thin pliant paper having sections removed from the circumferential positions thereof to form isolated lingors, which are bent down and adhesively secured to the vertical sides of the bottle head, and a strap piss of thin pliant paper enveloping the nock and lingers on the head, and adhesively secured both to the fingers and to the bottle head, and between the same, substantially as set forth. 3rd. The combination, with a bottle, of a cap adhesively secured on the top of the bottle head, and consisting of a disc of thin pliant paper having sections removed circumferentially therefrom to form isolated fingers, which are bent down and adhesively secured to the vertical sides of the bottle head, a metaline disc being interposed between the bottle top and the cap, and a strap likewise of thin pliant paper enveloping the neck and fingers on the head and adhesively secured in position, substantially as set forth.