from the periphery inwardly to a depth reaching to the spindle so as to provide a web of metal between the bases of the slots, that is in line with the spindle, the pins and their holes being in line with the cuts, substantially as set forth. 3rd. The combination in a lock or latch with a tubular holder adapted to fit into an opening through a door, of a fixed and a rotary pin cylinder, a tubular case receiving said pin cylinders and in which they are secured, said parts forming a key mechanism adjustable longitudinally in the tubular holder to provide for doors of various thicknesses, substantially as set forth. 4th. The combination of a lock or latch with the back plate and a tubular holder connected thereto, and adapted to fit into an opening through a door, of a key mechanism longitudinally adjustable in said tubular holder to provide for doors of various thickness and comprising a fixed pin cylinder, a rotary pin and key cylinder, a tubular case therefor, and a spindle adapted to operate the latch mechanism, substantially as set forth. 5th. The combination with the tubular holder d, and back plate d^1 made as one, of the tubular case c, adjustable longitudinally in the tubular holder d, and means for connecting said parts, the pin cylinder a, rigidly secured within the case c, the rotatable pin and key cylinder b, within said case c, and having a spindle connected therewith and extending through the cylinder a, and adapted to operate the latch mechanism, substantially as set forth. 6th. The combination with the tubular holder d, and back plate d^1, of the tubular case c, longitudinally adjustable in the tubular holder d, and having an inturned flange 4, the pin cylinder a, held rigidly within the case c, the rotary pin and key cylinder b, cut from the periphery inwardly toward the centre to form key slots 2 and 3, and received within the case c, between the cylinder a, and inturned flange 4, and having a spindle b^1, passing through the cylinder a, and engaging the latch mechanism regardless of the position of the tubular case c, in the tubular holder d, substantially as set forth. 7th. The combination in a latch with a longitudinally adjustable key mechanism, of the back plate d^1, and the tubular holder d connected therewith, said tubular holder d, having groups of holes 10 in the sides, the holes of one group being intermediate to those of the other group to provide for small adjustments of the key mechanism in the said tubular holder d, substantially as set forth.

No. 48,098. Brick Press. (*Presse à briques.*)

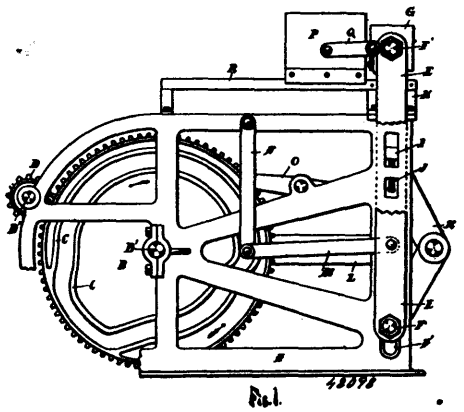

Fig 1.

Edward Warden Seamans, Grand Rapids, Michigan, U.S.A., 1st February, 1895; 6 years.

Claim.—1st. In a brick press, a mould open at the top and bottom, a head to close the top of said mould, a movable ram within said mould, a knuckle-joint lever operating said ram, a vertically movable bolt to which said lever is pivoted at its lower end, bars connecting said bolt and head rods pivoted to said bars, and a longitudinally movable bar pivoted to the middle joint of the lever, rolls on said rods and bar-wheels having cam ribs engaging said rolls and means for rotating said wheels, substantially as described. 2nd. In a brick press, a mould open at the top and bottom, a movable head to close the top of the mould, a vertically movable ram in said mould, a cross-head to operate said ram, set screws to limit the downward movement of said cross-head, a vertically movable bolt, a knuckle-joint lever connected at its ends to said bolt and cross-head bars, connecting said bolt and movable head, rods pivoted to said bars, rolls on said rods, a bar pivoted to the middle joint of said lever, rolls on said bar, a pivoted lever engaging said ram, rolls on said lever, and wheels having cam ribs engaging all of said rolls, substantially as described. 3rd. In a brick press, the combination with a mould and a head, movable both vertically above and to, and horizontally over the top of said mould, of a box having a discharge opening in its bottom, and pivoted rods, connecting said head and box together, substantially as described. 4th. In a brick press, the combination with a mould, and a table, having its top in the plane of the top of said mould, of a head, a box, having a discharge opening in its bottom, pivoted rods, connecting said head and box together, and bars for moving said head horizontally over and vertically above and to the top of said mould, substantially as shown and described. 5th. In a brick press, a mould, a ram movable in the mould, a head movable both horizontally and vertically, said head having a plurality of equal sides, each provided with an indented design, bars supporting and holding said head, a bolt passing through said bars and head and serving to secure them together, so that any one of the faces of the head may be adjusted ino operative position, and a box movable with said head and having a discharge opening in its bottom, substantially as described. 6th. In a brick press, a mould, aram movable in the same, a cross-head to actuate said ram, and detached from the ram and having an opening, an extension on said ram passing through said opening andmovable therein, mechanism for operating the cross-head, and a pivoted lever engaging saide xtension at one end and having a roll at the other, and a wheel having cam ribs engaging said roll, substantially as described. 7th. In a brick press, a mould, a movable head to close said mould, a vertically movable bolt, bars connecting said bolt and head and adapted to oscillate at their upper ends, a table having its surface in the plane of the top of said moulds, a box open at the bottom traversing said table and moulds, and attached to the bars, rods M pivoted to said bars, pivotally supported rods N, pivoted to said rods M, rolls on said rods, and wheels having cam ribs engaging said rolls, whereby said head is moved back over the table to release the pressed bricks, and then moved forward to bring the box over the mould, and then moved to place over the mould, substantially as described. 8th. In a brick machine, in combination with a mould, a movable head, a ram pivoted bars supporting the head, and a lever K to operate the ram, a longitudinally movable bar L, pivoted to said lever, rods M pivoted to said bars E, a pivoted lever O engaging the ram, rolls on said bar L, rods M and lever O, wheels having cam ribs engaging said rolls, substantially as described.

No. 48,099. Pneumatic Vehicle Tire.

(*Bandage pneumatique.*)

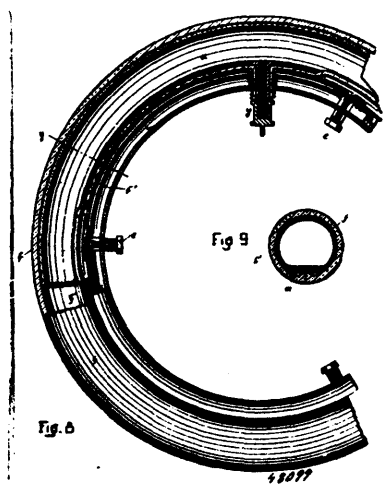

Fig 9

Fig. 8

George Hostel Chinnock, Brooklyn, New York, U.S.A., 1st February, 1895; 6 years.

Claim.—1st. The combination with the rim of a wheel, of a spring band divided into segments which are joined end to end with overlapping portions, an inflatable tube located around the segments, a cover over the tube having its edges located between the segments and the rim, and means for putting the segments under tension. 2nd. The combination, with the rim of a wheel, of a spring band divided into segments which extend around said rim, and means for putting the segments under tension. 3rd. The combination with the rim of a wheel, of a spring band divided into segments, which are joined end to end, with overlapping portions, an inflatable tube located on the segments, a slotted cover over the tube and having its edges located between the segments and the rim, and means for putting the segments under tension, said means consisting of wedge-shaped bolts, which press against the edges of holes provided in the overlapped portions of said segments. 4th. The combination with the rim of a wheel, of an inflatable tube circumscribing the same, a cover therefor, a band divided into segments which are joined end to end, with overlapping portions, which contain longitudinal holes, bolts passing through said holes, and having one pair of opposite sides parallel to each other, the other pair being tapered toward each other, and pressing against the edges of the holes in the direction of the length of the segments and nuts upon the bolts on the side of the rim opposite the said segments. 5th. The combination with the rim of a wheel, of a spring band divided into segments which are joined end to end with overlapping portions, an inflatable tube located around the segments, a slotted cover surrounding the tube and having notches in the edges thereof, bolts having tapered portions, which pass through the segments and the rim, and located at and in said notches, and having grooves in which the edges of the segments are sprung. 6th. The combination with the rim of a wheel, of a slotted cover containing an inflatable tube, a pair of parallel beads,