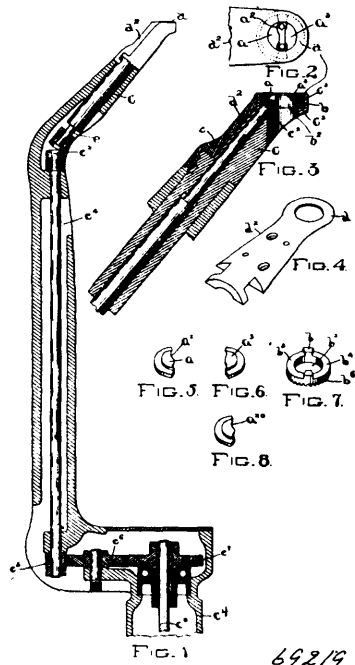


bin with a blast furnace, having at its upper end a main charging hopper and bell, of a supplemental hopper supported above the main hopper and having inwardly converging sides, a throat at the lower end of the supplemental hopper into which the material drops therefrom, said throat being at least substantially as wide at its mouth as at its upper end, and of a smaller area than the main hopper, a downwardly movable bell bottom arranged to close the lower end of the throat, a pair of tracks leading to the supplemental hopper, a pair of tipping skips movable upon the tracks and arranged to alternately deposit the material upon its converging side, and means for operating both bells, substantially as described. 4th. The combination with a blast furnace, having at its upper end a main charging hopper and bell, of a supplemental hopper supported above the main hopper and having an inwardly converging side, the axis of the supplemental hopper being inclined toward the place of discharge of the skip, a throat at the lower end of the supplemental hopper into which the material drops from the converging side of the supplemental hopper, said throat being at least substantially as wide at its mouth as at its upper end, and of smaller cross sectional area than the main hopper, a bell seated against the lower end of the throat, a track leading to the supplemental hopper, and a skip movable upon the track and arranged to discharge the material upon the inclined converging side of the upper hopper, substantially as described.

No. 69,219. Pegging Machine. (*Machine à cheviller.*)



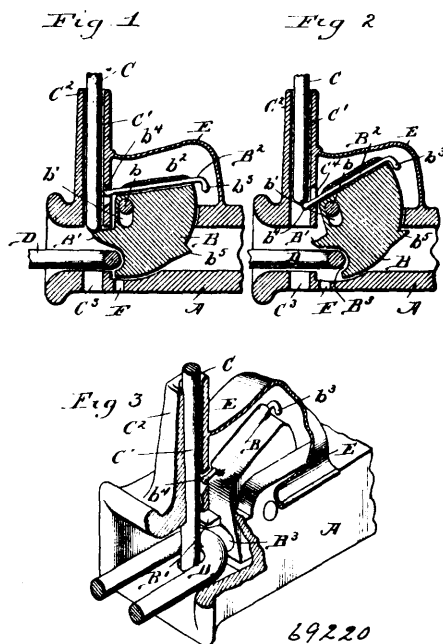
69219

The United Shoe Machinery Company, Paterson, New Jersey assignee of John Francis Davey, Beverly, Massachusetts U.S.A., 2nd November, 1900; 18 years. (Filed 15th October 1900.)

Claim.—1st. In a pegging machine, a combined work support and cutting device rotatably mounted and having a slot extending diametrically across the same, and a cutting edge at one side of said slot and adjacent to the supporting surface. 2nd. In a pegging machine, a combined work support and cutting device having a slot extending diametrically across the same, a cutting edge at one side of said slot and adjacent to the supporting surface, and means for producing a complete rotation of said cutting device between successive pegging operations. 3rd. In a pegging machine, the combination with the awl and peg driving mechanism, of a work support provided with a slot, the middle portion of which is substantially equal in width to the diameter of the awl, and a cutting edge near one end of said slot, the slot at said end being wider than at the middle, as set forth. 4th. In a pegging machine, a combined work support and cutting device having a slot extending diametrically across the same, a cutting edge at one side of said slot and adjacent to the supporting surface, actuating mechanism for said cutting device adapted to cause a complete rotation of said cutting device, and means for locking such actuating mechanism at the end of each operation. 5th. In a machine for pegging boots and shoes, the combination with the horn or work support, of a peg trimming or cutting device working in the top of said horn and having a slot extending diametrically across it to permit the feed movement of the awl and a cutting edge at the side of said slot, and means for operating said device to trim the pegs, as set forth. 6th. A peg trimming device rotatably mounted in the horn and having a supporting

surface for the material, and a slot extending diametrically across or through said surface, a cutting portion at the edge of said slot, and means for moving the trimming device to cause said edge to travel past and sever the projecting end of the peg. 7th. A horn or work support, and a cutting device rotatably mounted thereon, said cutting device constituting a part of the support and having a radial cutting portion. 8th. In a pegging machine, in which the material is fed by a lateral movement of the awl, a work support provided with a radial slot through which the awl travels in such lateral movement, a cutting edge substantially in line with said slot, and an oscillating or rotating carrier for said cutting edge to move the same across the line of feed movement when the awl is lifted. 9th. In a pegging machine, a rotatable horn, a slot extending diametrically across the surface thereof, means for preventing the rotation of the horn from changing the position of said slot relative to the other parts of the machine, a cutting edge formed on one side of said slot, and means for moving the said cutting edge to sever the peg, as set forth. 10. In a pegging machine, a work support having a central opening, a cutting device working therein and having a cutting member and a supplemental supporting member separated from each other to afford a slot or opening extending radially from said central opening, and a carrier for said members rotatably mounted in the horn. 11th. In a pegging machine, a work support, a cutting device working therein and having a cutting member and a supplemental supporting member separated from each other to afford a slot or opening between them, a carrier having recesses to receive said members, a top or cover for the horn arranged to constitute a retaining device for said carrier and members. 12th. In a pegging machine, a work support, a cutting device working therein and having a cutting member and a supplemental supporting member separated from each other to afford a slot or opening between them, a carrier having recesses to receive said members, a top or cover for the horn arranged to constitute a retaining device for said carrier and members, and means for imparting a rotary movement to said carrier. 13. In a pegging machine, a rotary cutter having a radial channel normally in line with the feed movement of the awl, and a cutting edge along said channel, and means for rotating said cutter comprising an actuator adapted to move said cutter a predetermined distance at each operation, and means for locking said cutter at the end of such movement. 14th. In a pegging machine, a rotary cutter having a radial channel normally in line with the feed movement of the awl, and a cutting edge along said channel, means for rotating said cutter comprising an actuator adapted to move said cutter a predetermined distance at each operation, means for locking said cutter at the end of such movement, and means for unlocking said cutter prior to the next movement. 15th. In a pegging machine, the combination with a rotary cutter, of a pawl for actuating the same, a locking device for arresting said cutter, and means for unlocking said device in response to the next actuating movement of said pawl.

No. 69,220. Car Coupler. (*Attelage de chars.*)



69220

Samuel M. Brooks, Lawnville, Tennessee, J. B. Harvey, R. Ladd, J. Leinburg, J. W. Crowder, J. Mc. K. Smith, H. C. Burns, W. Tuttetow, W. D. Hobey, all of Lawnville aforesaid, and W. T. Galloher, Wheat, and J. A. Muech, Kingston, Tennessee, U.S.A., 2nd November, 1900; 6 years. (Filed 10th October, 1900.)