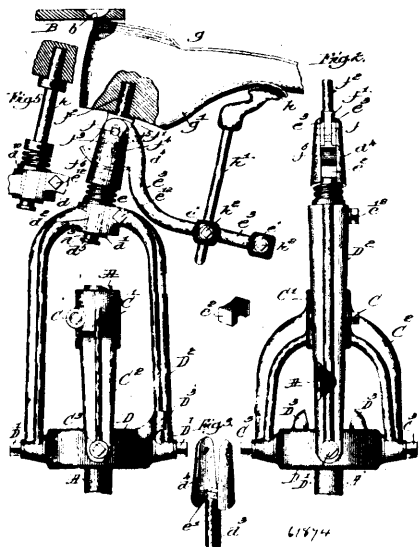


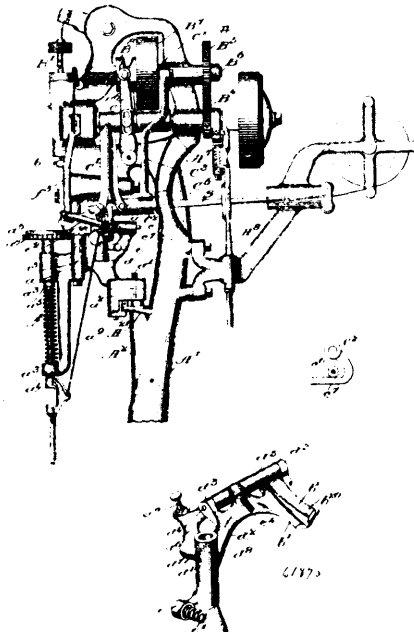
teeth to support a last and its shoe, and carrying a toe rest, said pin and lever being pivoted in said sleeve, pressure on the last carried



by said pin in making the shoe putting the toothed part of said lever into engagement with said locking device and holding the last pin and lever and toe rest firmly in position, substantially as described. 4th. The horn shaft, its attached main yoke, a ring pivoted on or with relation to said yoke, and an auxiliary yoke pivotally mounted on said ring and having a diagonally bored hole, combined with a last pin, and a sleeve bored diagonally and placed loosely in the hole of said yoke, the rotation of said sleeve placing said last pin in a position inclined more or less from a vertical, substantially as described. 5th. The last pin having a slotted shank, a lever, in one end of which the said shank is fitted, a forked slide, in which the said lever and shank are pivoted, a toe rest mounted on said lever, combined with a last mounted on said last pin and resting on said toe rest, and means to sustain the said forked slide, substantially as described. 6th. A last pin having a slotted and notched shank, a forked slide, and a lever having a connected toe rest combined with a strut or pin located between the said lever and tie notched shank of the last pin, to operate, substantially as described. 7th. The last pin, and forked slide having a shank in which said pin is mounted to tip, combined with a sleeve having a diagonally bored hole to receive the shank of said slide, and means to sustain said sleeve loosely, whereby by rotating said sleeve in its sustaining means the angular position of the last pin may be changed at will, substantially as described. 8th. The last pin, and forked slide in which said pin is mounted to tip, combined with a sleeve having a diagonally bored hole to receive the shank of said slide, and means to sustain said sleeve loosely, the said sleeve being rotatable in its sustaining means to change the angular position of the last pin, and a spring surrounding the shank of said slide to normally keep said slide elevated, substantially as described. 9th. A last pin, and forked slide having a shank in which said pin is mounted to tip, and a lever pivoted between the forked upper end of said slide, and having a series of teeth arranged in the form of a segment, combined with a sleeve having a diagonally bored hole to receive the shank of said slide, means to sustain said sleeve, the said sleeve being rotatable in its sustaining means to change the angular position of the last pin, a spring surrounding said shank and serving to normally keep said slide elevated, and a locking device to engage the toothed part of said lever, to thereby hold it in place, substantially as described. 10th. The forked slide having a shank, a last pin, a toothed lever mounted in said forked slide, a toothed locking block mounted loosely in said slide to engage the teeth of said lever when the last pin and the toothed end of said lever are depressed, combined with a sleeve in which the said forked slide enters, and means to sustain said sleeve, substantially as described. 11th. The forked slide having a shank, a last pin, a lever mounted in said forked slide and provided with teeth, a toe rest adjustable on said lever, and a toothed locking block to engage the teeth of said lever when the last pin is depressed, combined with a sleeve having a diagonally bored hole to receive the shank of said forked slide, and means to sustain said sleeve, substantially as described. 12th. In a shoe holding jack, a lever provided with a toe rest, means to sustain one end of said lever, and a movable last pin sustained by a holder mounted loosely at one end of said lever, combined with a pin or strut co-operating with said holder and lever, to operate, substantially as described. 13th. The forked slide having a shank provided with a stop to limit its upward movement, a guide for said shank, a spring

interposed between a shoulder of said forked slide and said guide, to normally keep said slide elevated, a lever having a toothed segmental part, a toe rest supported by said lever, a last holding pin mounted in said lever and adjustable therein, combined with a locking device made as a toothed block sustained loosely in the fork of said slide, said locking device being stopped by contact with the guide in which works the shank of said forked slide, the further descent of said forked slide after the arresting of the said locking device, causing the toothed part of said lever to engage said locking and lock the last holding pin and toe rest firmly in position, substantially as described.

No. 61,875. Maching for Uniting a Welt or Band to a Shoe or Heel. (*Machine à cheviller pour chaussures.*)



The McKay Shoe Machinery Company, Portland, Maine, U.S.A., assignee of Louis Amédée Casgrain, Winchester, Massachusetts, U.S.A., 1st December, 1898 ; 6 years. (Filed 26th October, 1898.)

Claim.—1st. In a nailing machine, a vertically movable, loosely supported table to sustain the work, a toothed gear located below said table and operatively connected therewith, a long toothed pinion occupying a position substantially parallel to the centre of rotation of said table, means to rotate said long toothed pinion that it may rotate said table in unison with it and yet let said table rise and fall to adapt itself to any variation of thickness of the material lying upon it and between it and the feeding device employed to move the material over the surface of said table, substantially as described. 2nd. The spring-sustained work-support having an attached gear, a long pinion having its teeth in engagement with the teeth of the said work-support and provided with bevel teeth at one end, and a feeding-wheel having bevel teeth engaging the bevel teeth of the said long pinion, combined with a shaft, and means to rotate it, the said feed-wheel, and the said work-support, substantially as described. 3rd. The strip carrying hub C², and attached rack and the feed-wheel and its shaft, combined with a pawl and a pawl carrier to actuate it, the said pawl carrier being moved by the said rack, substantially as described. 4th. In a nailing machine, a spring sustained work-support, a gear carried thereby and located below said support, a feeding device to act upon the material lying on said table, a long pinion parallel to the shaft carrying said work-support, and gearing between the shaft carrying said feed device and said long pinion, to rotate said long pinion and cause it to rotate said work-support whatever its position due to variations in the thickness of the material lying on said support and between it and the said feeding device, substantially as described. 5th. In a nailing machine, a driver-bar and driver to drive a nail, a work-support on which the work to be nailed rests, combined with a welt-guide having a bottom plate on which the welt rests, and a pressing finger resting on the top of the welt, and means to move the said finger away from said bottom plate, to enable a welt to be laid on said bottom plate, substantially as described. 6th. In a nailing machine, a driver-bar and a driver to drive a nail, a work-support on which the work to be nailed rests, combined with a welt-guide having a bottom plate on which the welt rests, and a finger resting on the top of the welt, means to keep said finger pressed uniformly on said welt, and means to swing said welt-guide toward and from the driver, substantially as described.