

horn than the other, either of said cavities being adapted to be put into line with the nose of the machine through which the nail is driven into the work supported on the horn, said horn having near its pivot, a shoulder, and a locking pawl engaging said shoulder, substantially as described. 3rd. A horn spindle, and a horn pivoted thereon and provided at its upper end with two clinching cavities, one being located nearer the end of the tip of the horn than the other, either of said cavities being adapted to be put into line with the nose of the machine through which the nail is driven into the work supported on the horn, said horn having near its pivot, a shoulder, and a locking pawl engaging said shoulder, a frame carrying said pawl and a spring to normally hold said pawl pressed against said shoulder, substantially as described. 4th. A horn spindle, and a horn pivoted thereon and provided at its upper end with two clinching cavities, one being located nearer the end of the tip of the horn than the other, either of said cavities being adapted to be put into line with the nose of the machine through which the nail is driven into the work supported on the horn, said horn having near its pivot, a shoulder, and a locking pawl engaging said shoulder, and a stop to align the horn so that the bottom of its main cavity will be kept in line with the nose of the machine, substantially as described. 5th. In a nailing machine, the following instrumentalities, viz:—a rotating shaft provided with a cam, a lever actuated by said cam, a horn spindle having a shoulder, means to support said spindle, a horn carried by said spindle, a spring co-operating with said horn spindle to substantially counterbalance the weight of said horn, a lever adapted to engage the shoulder of the horn spindle, a connecting rod interposed between said two levers, and a spring surrounding said rod to enable the horn under the action of said lever to adapt itself to varying thicknesses of material, said cam being shaped to actuate said devices and keep the horn in its elevated position when a nail is being driven, substantially as described. 6th. In a nailing machine, the following instrumentalities, viz:—a rotating shaft provided with a cam, a lever actuated by said cam, a horn spindle having a shoulder, means to support said spindle, a horn carried by said spindle, a lever adapted to engage the shoulder of the horn spindle, a connecting rod interposed between said two levers, a spring surrounding said connecting rod and supported at one end by a nut thereon to adapt itself to varying thickness of material combined with an adjustable sleeve carried by said rod, said cam being shaped to actuate said devices and keep the horn in its elevated position when a nail is being driven, substantially as described. 7th. A horn spindle, a horn pivoted thereon at one side of the center line of said spindle and provided with two shoulders near its pivotal points, combined with a pawl which may engage either of said shoulders to operate, substantially as described. 8th. A horn spindle, a horn pivoted thereon at one side of the center line of said spindle and provided with two shoulders near its pivotal point, combined with a pawl which may engage either of said shoulders, said pawl containing a spring to keep its point pressed toward the shoulders of said horn, substantially as described. 9th. In a nailing machine, a horn spindle having a horn pivoted thereon at one side of the center line of said horn spindle, means to normally act upon the lower end of said horn below its pivot to maintain the tip of the horn in nailing position, combined with a stop located above the pivotal point of said horn and between said horn and the center line of said horn spindle to determine the exact position of the clinching cavity at the tip of the horn with relation to the path of movement of the driver, substantially as described. 10th. In a nailing machine, a spindle, a horn pivoted thereon and provided with two clinching cavities, said horn having a two faced notch, combined with a pawl engaging said notch, substantially as described. 11th. In a nailing machine, a spindle, a horn pivoted thereon and provided with two clinching cavities, said horn having a two faced notch, combined with a pawl engaging said notch, and with an eccentric to adjust the position of said pawl, substantially as described. 12th. In a nailing machine, a horn spindle having a shoulder, a horn pivoted on said spindle, a lever to engage said shoulder to lift the horn, a rotating shaft having a cam, a lever actuated by said cam, and a rod connecting said two levers, said rod having a spring, a sleeve and a nut to adjust it, said lever being interposed between said spring and sleeve, substantially as described. 13th. In a machine for inserting nails into boots and shoes the following instrumentalities, viz:—a rotatable shaft, a driver bar and its attached driver, means carried by said shaft to operate said driver bar, a vertically movable horn or work-support normally occupying its lowest position when the machine is stopped, a cam carried by said shaft, a lever actuated by said cam connections between said horn and lever, a spring interposed between said connections and lever, said spring being compressed by said lever as the horn is being lifted to thereby hold the work up by a yielding pressure, said spring being relieved from its pressure when the machine is stopped and the horn is in its lowest position, substantially as described.

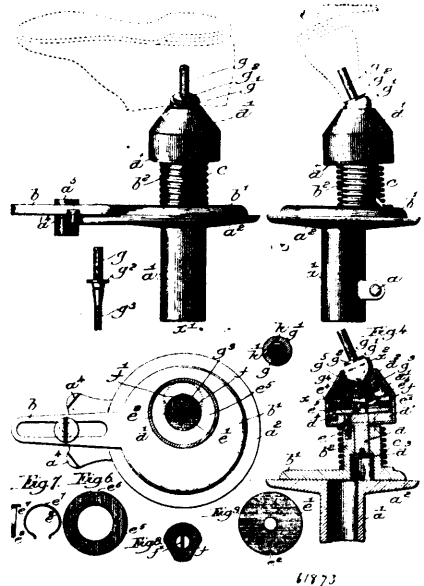
No. 61,873. Jack for Slugging and Nailing Heels.

(Machine pour enforcer les chevilles en bois dans les talons.)

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

Claim.—1st. In a jack for holding a boot or shoe, having a heel into which is to be driven slugs, a swing plate having a hub and a vertically movable shank therein, a spring to support said shank,

and a pivoted last-holding pin made movable vertically with said shank, substantially as described. 2nd. The use in a jack having a



universally tippable last-holding pin, of a support for said pin, and locking means to hold said pin in any position in which it may be put by the requirements of the work, said locking means holding said pin firmly in position while a slug or nail is being driven into the sole on the last supported by said pin, substantially as described. 3rd. The use, with a jack having a last-holding pin provided with a ball or sphere, of a support for said ball or sphere whereby it and said pin are free to tip in its support, of locking means to hold said pin in fixed position during the driving of a slug or nail into the shoe on the last held on said pin, substantially as described. 4th. The use in a jack, having a last-holding pin provided with a partial ball or sphere, of a curb having a seat for said ball or sphere, substantially as described. 5th. The use, in a jack having a last-holding pin provided with a partial ball or sphere, of a curb having a seat for said ball or sphere, and a movable nut to aid in keeping said ball or sphere seated in said seat, substantially as described. 6th. The use, in a jack having a last-holding pin provided with a partial ball or sphere, and a curb having a seat to receive said ball or sphere, of a toothed plate, a toothed slide movable with or by said pin, and a toothed locking-plate, the said locking-plate and toothed plate engaging said toothed slide and locking the last-holding pin fixedly in position when the shank of said curb is depressed in its holding hub preparatory to driving a nail or slug in the sole laid on the last mounted on said pin. 7th. In a jack, the use, with a curb having a seat and a fixed toothed plate, of a movable toothed slide, a last-holding pin having a ball-like or spherical portion entering said seat, a toothed locking-plate mounted loosely in said curb, a shank attached to said curb and entering a hole in the hub, a spring applied to said hub to normally keep said curb elevated, and a device to arrest the movement of said toothed locking-plate as the curb is depressed to compress said spring, whereby said toothed slide is grasped to maintain in fixed position the last-holding pin while the slug is being driven into the work.

No. 61,874. Jack for Shoe Nailing Machines.

(Machine pour cherriller les chaussures.)

The McKay Shoe Manufacturing Co'y, Portland, Maine, assignee of Amedée Casgrain, Winchester, Massachusetts, U.S.A., 1st December, 1898; 6 years. (Filed 26th October, 1898.)

Claim.—1st. In a nailing machine, a last-holding pin, a diagonally bored sleeve to receive said pin, and means to support said sleeve so that it may be rotated to vary the inclination of said pin in said support more or less out of a vertical position, substantially as described. 2nd. In a nailing machine, a horn shaft, an auxiliary yoke or support sustained above it and provided with a hole bored diagonally therein with relation to the centre of said horn shaft, and a sleeve placed in said diagonally bored hole, combined with a last-holding pin, and a shank carrying it, said shank entering loosely the diagonal hole of said sleeve, the rotation of the sleeve in said support varying the angular position of the last pin to thereby more or less incline the sole of the shoe supported on said last, substantially as described. 3rd. In a shoe holding jack, a forked slide having a shank, a diagonally bored sleeve to receive said shank, a yoke or support having a diagonally bored hole to receive said sleeve, said sleeve being rotatable in said yoke or support, a spring to support said forked slide in a yielding manner, a locking device carried by said forked slide, a last pin, and a lever having segmental