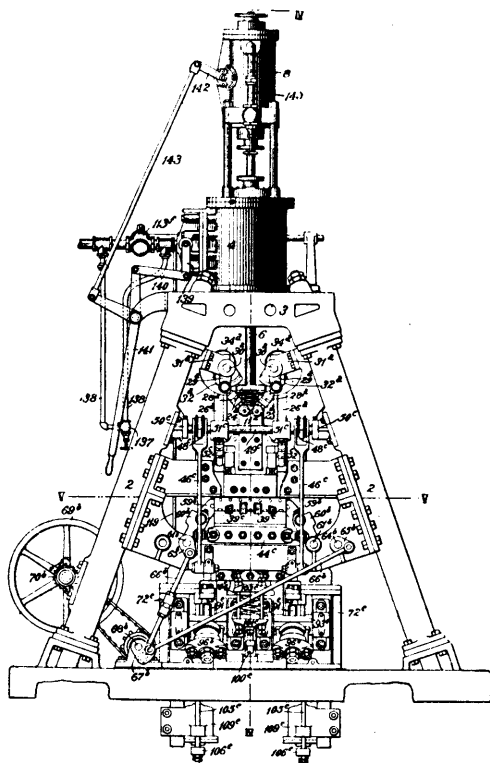


rim or felly and slidably mounted upon the post, actuating mechanism supported by the post for operating the pusher-bar, a link engaging with the hub of the wheel and having the latter rotatably mounted thereon, a rod having loose connection with the link, a lever fulcrumed to the upper end of the said post and having the rod loosely connected therewith, and adapted to raise and lower the link, and means for holding the lever in adjusted position, substantially as set forth. 2nd. In a tire-remover, the combination with a post, and means supported thereby for removing the tire, of a lever fulcrumed to the post and provided with means for holding it in an adjusted position, a rod having loose connection with the lever and adapted to swing outward at its lower end to suit different-sized wheels, a link having loose connection with the lower end of the swinging rod to pass through the hub of a wheel and having the latter rotatably mounted thereon, and a pin passing transversely through the lower end of the link and supporting the wheel thereon, substantially as set forth. 3rd. The herein-described means for removing the tire from a wheel, consisting of a post, a plate secured to the post and having upper and lower guides, a rest having adjustable connection with the plate and forming a support for the tire, a puncher-bar slidably mounted in the guides, a foot detachably connected with the pusher-bar and constructed to engage with the rim or felly, toggle-levers having pivotal connection with the said plate at one end, and adjustable connection at the opposite end with the pusher-bar, a bell-crank lever, a link adjustably connecting the toggle-levers with an arm of the bell-crank lever, a supporting rod, a lever fulcrumed to the post and having the supporting rod connected therewith, and provided with means whereby it may be secured in an adjusted position, and a link having loose connection with the rod, and adapted to rotatably support the wheel to be operated upon, substantially as set forth.

No. 57,244. Press. (Presse.)



57244

George Lee Peabody, Pittsburg, Pennsylvania, U.S.A., 28th August, 1897; 6 years. (Filed 2nd August, 1897.)

Claim.—1st. In a press, the combination of a reciprocating plunger, a compressing box or mould open at both ends, stationary cutting blades arranged on opposite sides of the box at the charging end thereof, and blades attached to the plunger, and a retaining plunger for holding the material in the box or mould during the return movement of the main plunger, substantially as set forth. 2nd. In a press, the combination of a main plunger, a retaining plunger, means for holding the retaining plunger stationary, a box or mould open at both ends, catches arranged at the upper end of the box or mould, and means for shifting the catches, substantially as set forth. 3rd. In a press, the combination of a main plunger, a retaining plunger, means operative by the main plunger for holding the retaining plunger stationary, a box or mould open at both ends,

catches arranged at the upper end of the box or mould, and means for operating the catches, substantially as set forth. 4th. In a press, the combination of a main plunger, a retaining plunger, means for holding the retaining plunger stationary, a box or mould, catches arranged at the upper end of the box or mould, and means operative by the main plunger for shifting the catches, substantially as set forth. 5th. In a press, the combination of a main plunger, a retaining plunger, a cross-head connected to the retaining plunger, a spring arranged between the cross-head and the main plunger, cams and connections from the cams to the main plunger whereby the cams are moved inwardly over the cross-head during the downward movement of the main plunger, and are forced outwardly during the upward movement of the latter, substantially as set forth. 6th. In a press, the combination of a plunger, a box or mould, catches for retaining the material in the box or mould, springs for shifting the catches inwardly, levers connected to the catches, and cams operated by the plunger for shifting the levers and catches outwardly during the downward movement of the plunger, substantially as set forth. 7th. In a press, the combination of a plunger, a box or mould open at both ends, two side walls of the box or mould being provided with movable sections and means for shifting said sections and locking them in closed position, substantially as set forth. 8th. In a press, the combination of a plunger, a box or mould open at both ends, and provided on opposite sides with movable sections, arms secured to shafts and having a link connection to the movable sections, and means for simultaneously rotating the arms to shift the sections to and from closed position, substantially as set forth. 9th. In a press, the combination of a stationary box or mould having open ends, a plunger for forcing the material into the box or mould, and supports for yieldingly preventing the onward movement of the block or bale through the box or mould, whereby the material is subjected to compression during its passage through the box or mould, substantially as set forth. 10th. In a press, the combination of a plunger, a box or mould having open ends, yielding supports for resisting the onward movement of the material being pressed through the box or mould, and means for withdrawing said supports on a predetermined movement of such material through the box, substantially as set forth. 11th. In a press, the combination of a plunger, automatic means for operating the plunger, a box or mould open at both ends, yielding supports for resisting the onward movement of the material through the box, and mechanism operative on a predetermined movement of the material being pressed through the box for stopping the plunger, substantially as set forth. 12th. In a press, the combination of a plunger, automatic means for operating the plunger, a box or mould open at both ends, mechanism operative to stop the plunger on a predetermined movement of the material being pressed through the box and to start the plunger on a further movement of such material, substantially as set forth. 13th. In a press, the combination of a plunger, a box or mould open at both ends, tongues projecting into the path of movement of the material being pressed, and springs arranged to present a gradually increasing resistance to the movement of the tongues when shifted by the material, substantially as set forth. 14th. In a press, the combination of a plunger, a box or mould open at both ends, tongues projecting into the path of movement of the bale or block, springs arranged to prevent a gradually increasing resistance to the movement of the tongues during a portion of their travel and to shift the tongues in the direction of the movement of the bale or block after a further movement of the tongues, and springs arranged to resist the secondary action of the first springs, substantially as set forth. 15th. In a press, the combination of a plunger, a box or mould open at both ends, tongues projecting into the path of movement of the bale or block, springs arranged to present a gradually increasing resistance to the movement of the tongues during a portion of their travel and to shift the tongues in the direction of movement of the bale or block after a further movement of the tongues, springs arranged to resist the secondary action of the first springs, and means for withdrawing the tongues from the path of movement during conjoint operation of both springs, substantially as set forth. 16th. In a press, the combination of a plunger, a box or mould open at both ends, a movable block, a tongue mounted on the block and projecting into the mould, a lever having an adjustable connection with the tongue and means operative by the block for shifting the lever, whereby the tongue is withdrawn from the box or mould, substantially as set forth. 17th. In a press, the combination of a plunger, a box or mould open at both ends, a movable block, a tongue mounted on the block and projecting into the box or mould, a lever having an adjustable connection with the tongue, a pivotally mounted dog having a pivotal connection to the lever, and provided with toes and a finger attached to the block and adapted to engage the toes on the dog, substantially as set forth. 18th. In a press, the combination of a plunger, a box or mould open at both ends, a movable block, a tongue mounted on the block and projecting into the box or mould, a bar or rod having a pivotal connection to the block, a pivotal support for the bar or rod constructed to permit of a longitudinal, as well as a rocking movement of the bar or rod and a spring arranged to resist the longitudinal movement of the bar or rod, substantially as set forth. 19th. In a press, the combination of a plunger, a box or mould open at both ends, a movable block, a tongue mounted on the block and projecting into the box or mould, a bar or rod having a pivotal connection to the block, a pivotal support for the bar or rod normally holding the latter at an angle less than a right angle to the path of movement of the block and con-