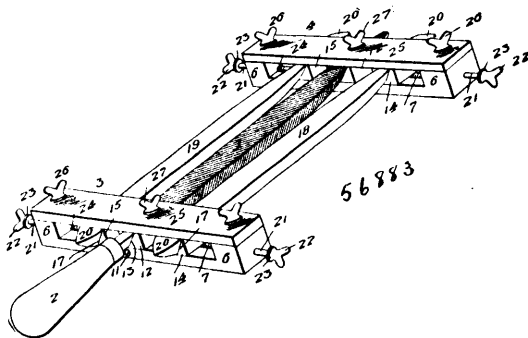


supplying a draught of air to said burner, a motor 11, for actuating said fan, and a deflector plate 36, arranged edgewise between said burner and fan. 4th. A bicycle lamp having a burner, a fan 13, for supplying a draught of air to said burner, a motor 11, for actuating the same, a disc 34, interposed between said fan and burner, and a deflector plate 36, superimposed edgewise upon said disc. 5th. A bicycle lamp having a jacket 38, adapted to receive the igniting wick 39, means for supplying the oil thereto, a sleeve 40, arranged to inclose said jacket 38, said sleeve provided with projections 47, and a shaft 45, having a crank arm 46, arranged to operate between said projections. 6. A bicycle lamp having a shaft 12, a hub mounted thereon, a disc 26, carried by said hub, fan blades 27, carried by said disc, said blades being arranged radially with respect to said disc and having their inner ends in a plane slightly inclined relative to the axis of said shaft and the bodies thereof curved transversely and in the direction of movement thereof, and a motor for rotating said shaft. 7th. A bicycle lamp, having a burner, a chimney 19, inclosing the same, a grooved rim 56, forming a seat in said chimney adjacent to said burner, a cap plate or lens 52, having a peripheral flange, and a compressible spring 54, carried by said flange, said spring adapted to be received in the groove of said rim, whereby said lens or cap plate is removably held in place. 8th. A bicycle lamp having a burner, a chimney 19, inclosing the same, reversely arranged cone-shaped sleeves 57 and 59, mounted upon the upper end of said chimney, arms 62, mounted upon the upper edge of the upper of said sleeves, and a perforated inclosing cap 63, for said sleeves, said cap having a plate 60, to rest upon said arms and forming a cover for said sleeves. 9th. A lamp bracket for bicycle lamps, comprising a head 65, having clamping jaws 66 and 67, mounted thereon, adapted to engage a part of the bicycle frame, a rod 68, mounted in one of said jaws and carrying an eccentric 70, said eccentric being adapted to engage the other of said jaws to effect the clamping action. 10th. A lamp bracket for bicycle lamps having a head 65, means for attaching the same to a bicycle frame, a casing comprising spring arms 73, a headed bolt 64, arranged to pass loosely through perforations in said casing and head, a set nut 75, for securing said bolt in place whereby said casing and head are clamped together and rotatably adjustable on the axis of the bracket, and means, as bolts 78, for clamping said spring arms to the lamp. 11th. A lamp bracket for bicycle lamps having a head 65, means for attaching the same to a bicycle frame, a casing comprising spring arms 73, secured to said head, jaws 76, mounted in said arms for axial adjustment in a vertical plane, said jaws adapted to engage and hold the lamp, and bolts 78, for clamping said jaws together.

No. 56,883. Adjustable Saw Filing Guide.

(Guide pour limer les scies.)



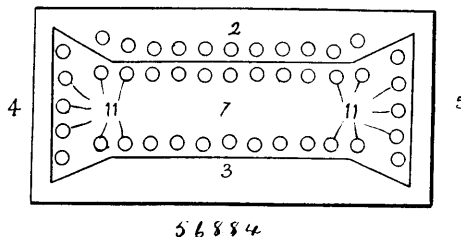
Charles Reichert, Chester, Pennsylvania, U.S.A., 4th August, 1897; 6 years. (Filed 22nd May, 1897.)

Claim.—1st. A saw filing guide comprising the clamps 3 and 4, each provided with a fixed and a movable jaw, and a top plate adjustably secured to each clamp, in combination with a triangular guide bar adjustably secured between said clamps 3 and 4, substantially as and for the purpose set forth. 2nd. A saw filing guide comprising the clamps 3 and 4, provided with a fixed jaw 12, having the V-shaped grooves 13, 13, and the lateral movable jaws 14, 15, formed with the V-shaped grooves 17, 17, the adjustable top plate 25, in combination with the parallel triangular guide bars 18 and 19, provided with the flanged heads 20, 20, and adapted to be adjustably secured in said adjustable jaws 14 and 15, substantially as and for the purpose set forth.

No. 56,884. Safety Envelope. (Enveloppe de surtê.)

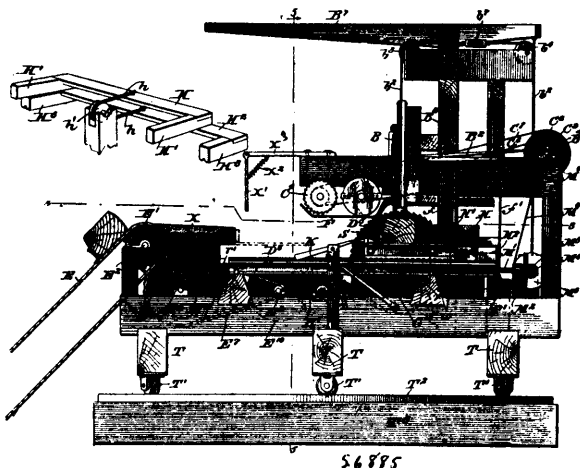
William M. Brevard, Macon, Georgia, U.S.A., 4th August, 1897; 6 years. (Filed 22nd May, 1897.)

Claim.—The herein described safety envelope, comprising the blank 1, provided with the side sealing flaps 4 and 5, the perforated



flap 2, and the flap 3, in combination with the perforated blank 7, provided with the slots 9 and 10, and the gummed sealing flap 8, substantially as described and shown.

No. 56,885. Railroad Tie Boring and Trimming Machine. (Machine à percer et tailler les traverses de chemin de fer.)



Alexander B. B. Harris, Bristol, Tennessee, U.S.A., 4th August, 1897; 6 years. (Filed 22nd May, 1897.)

Claim.—1st. A machine for planing and boring railroad ties, comprising a horizontally reciprocating carriage arranged to support the tie and move it laterally, a gang of scoring saws arranged in stationary bearings above the tie carriage to cut transverse scores in the top of the tie, cutter heads arranged behind the scoring saws parallel therewith and above the carriage, and a set of boring bits arranged vertically above the carriage and behind the cutter heads to move in a direction at right angles to the tie carriage and in the path of the cut on the tie, and means for actuating these parts substantially as shown and described. 2nd. A machine for planing and boring railroad ties, comprising a turn-table adapted to be carried upon a car, an elevator leading from the ground to the top of the turn-table, a tie carriage arranged upon the turn-table and planing and boring devices arranged upon the turn-table, substantially as shown and described. 3rd. A machine for cutting off the ends, planing the plate or rail seats, and boring the spike holes of railroad ties, comprising a horizontally reciprocating carriage arranged to support a tie and move it laterally, a gang of scoring saws arranged in stationary bearings above the carriage to cut transverse scores in the upper face of the tie, cutter heads arranged behind the scoring saws parallel therewith and above the tie carriage, a set of boring bits arranged vertically above the carriage and behind the cutter heads to move in a direction at right angles to the carriage and in a path of the cut on the tie, a saw arranged in a vertical plane at the end of the carriage to trim off the end of the tie, and means for actuating these parts substantially as and for the purpose described. 4th. In a tie boring machine, the combination with the reciprocating carriage carrying the tie, a set of boring bits arranged above it, and a compensating device for automatically centering the ties to the bits irrespective of the size of the ties, comprising two yielding stop frames, one arranged in the place of the tie and the other in the plane of the carriage, and both connected substantially as described for a reversed motion as set forth. 5th. A turn-table provided with a tie planing and boring machine at one end, and a boiler and engine at the other, and with supporting rollers underneath, combined with a subjacent circular track T² and supporting sills T³ adapted to be carried upon the top platform car substantially as