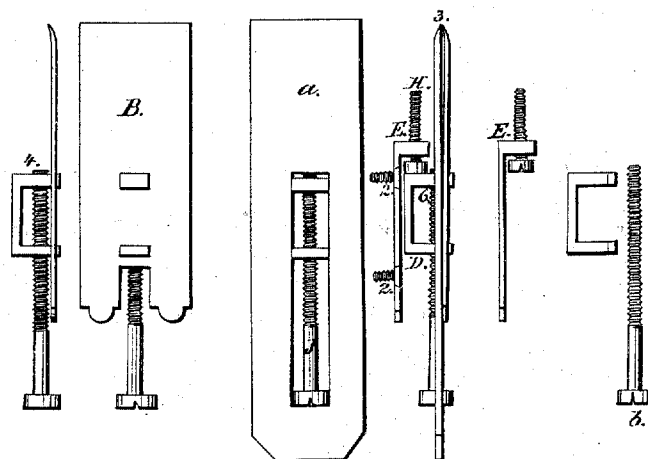
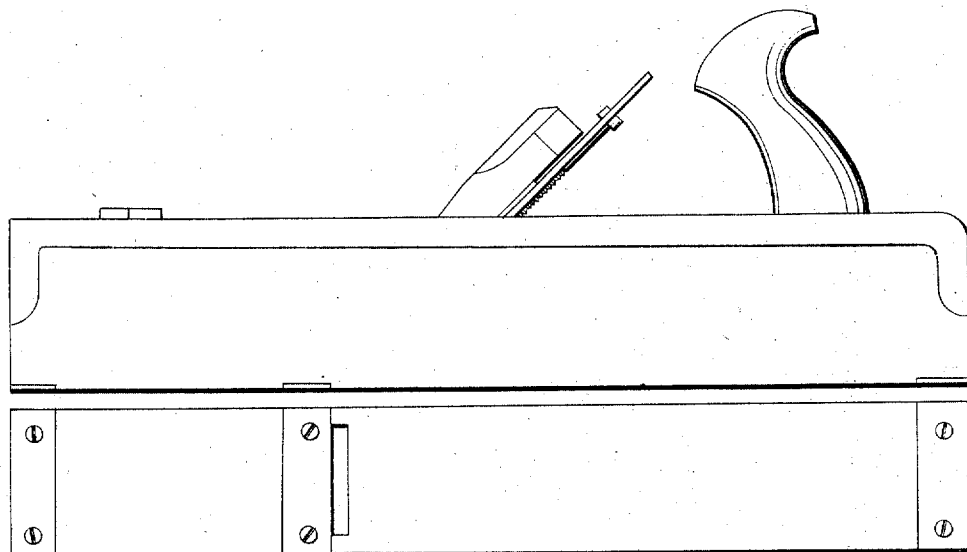


7158X

J. B. Reynolds,

Bench Plane.

Patented July 7, 1832.



7158X

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July 7, 1832

377

William B. Reynolds, of Painesville Sta of Ohio.

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said William B. Reynolds, himself of his improvement in the Double Iron Tying Plates.

To all to whom these presents shall come.

Be it known that I William B. Reynolds of the Town of P. Painesville in the County of Belmont and State of Ohio, have invented a new and useful improvement in the double iron tying plates which I have gave my improvement the name of double iron double geared set screws, and that the following is a full and exact description of the construction of the said plate, as invented and improved by me. With reference to the draught by figures and letters, a. is the iron plate which lay in the back of the mouth of the plate which contains the slot mortise about four eighths wide and four inches long, which mortise starts at the upper edge of the steel f. is the screw that lays in the mortise which regulates the cap iron. B. is the cap plate that lays on the iron that contains the slot mortise, which is made out of a piece of rolled steel about one eighth of an inch thick, beveled off at the lower end, and f. is close to the lower end of the cutting part of the bit that contains the slot mortise, and sets screw which the cap is regulated by the screw, f. which is a side view the screw f. is inserted through a piece the form of a staple D. the width of the slot mortise in plate a. the length of the staple each part that the screw is inserted is about one inch and three fourths apart, the lower part is a strong screw out to insert the screw through for the cap to move up and down, to regulate the cap to the cutting part, of the plate a, the staple is let up through the cap plate with a square mortise which may be fastened by two tops or may be riveted to perform the same, b. is the geared that is let in the back of the mouth of the plate between the iron that contains the slot mortise, it is made in the form of a square with a screw that through the lower end about one inch long one fifth thick with a head about the eighth of an inch diameter with a notch cut in to turn with a screw driver to rest against the lower part of the staple D. which is fastened through the cap plate.

W. B. Reynolds

13. which it stops the bit when placed in the plane from setting too deep, 14. is the screw in the guard 15, about a fourth thick one inch long, head about three eighths diameter with a notch cut in a screw driver to turn with up or down to act as a guard against the loose end of the staple 16. that is fastened to the cap plate 17. for the purpose of regulating the depth of the set of the bit when the plane is in use, the guard 15, is about five eighths, and one fourth thick, three inches, and one fourth long at the handle end where the screw is let through, is about three eighths thick, for the purpose of strength, it is let into the back of the mouth of the plane, about three fourths deep exactly in the center of the mouth, and secured fast by two wood screws, 18. 2. the set screw, it is made exactly the length of the slit mortise about one fourth thick, with a thick strong head three eighths diameter, with a notch to receive the screw driver to regulate the cap. The thread is cut up from the point about two inches and a half, and slipped through a smooth hole in the upper part of the staple 19. to the lower end at 20. which a strong thread is cut through to receive the screw by turning it the cap may be up and down to regulate the set, of cap plate when placed together, in the plane ready for work 21. is a side view of cap plate staple and set screw to show the plan they are united together. June the 2^d 1832,

Witness

William Shannon
R. C. Carothers
Sterling Shurtown

William B. Reynolds.

768 m

Chas. W.

(Patented July 1832)