

5807X

E. W. Carpenter, 2 Sheets. Sheet 1.

Bench Plane.

Patented Jan 30, 1830.

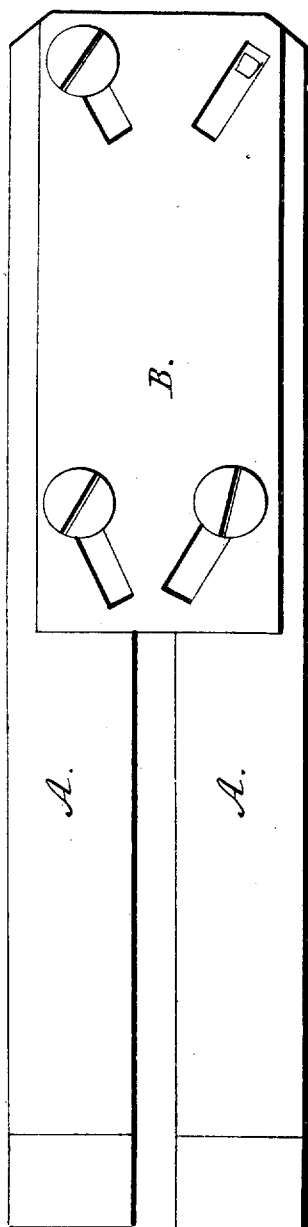


Fig. 3.

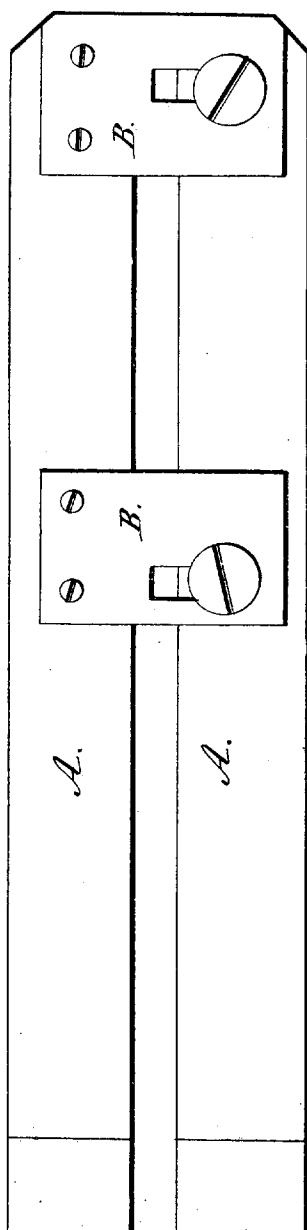


Fig. 2.

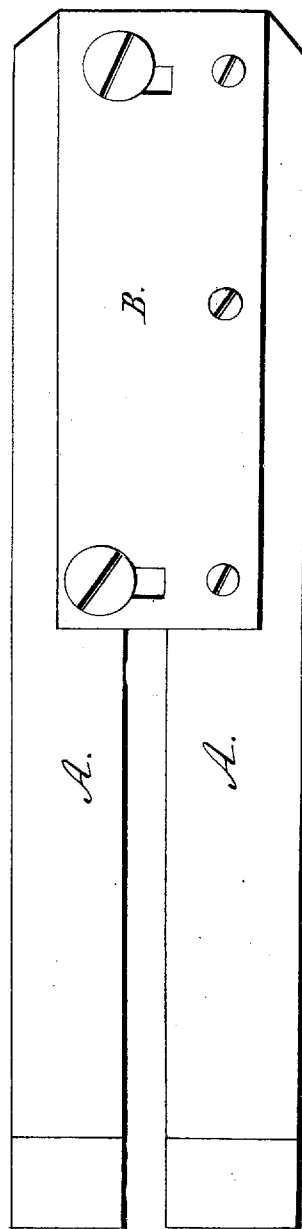


Fig. 1.

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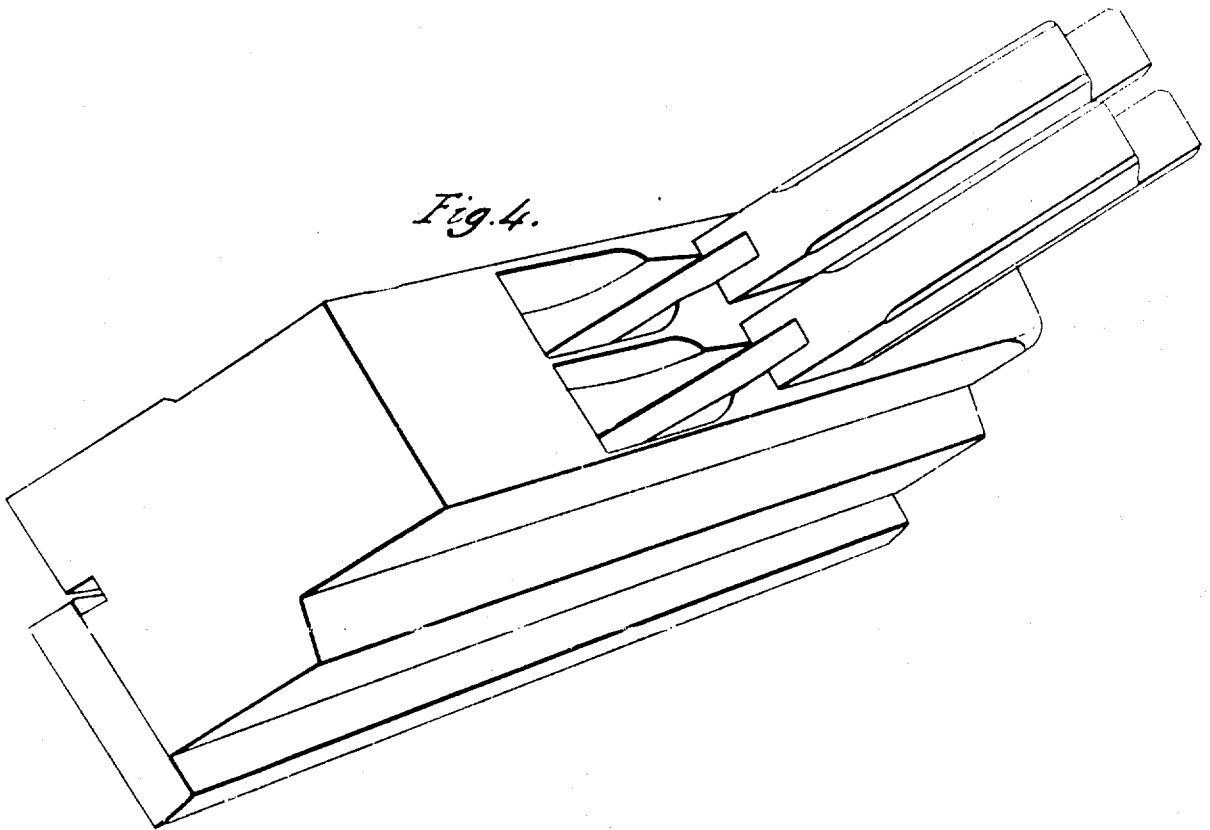
2 Sheets, Sheet 2.

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Fig. 4.



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Jan 31 1830

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Emanuel W. Carpenter of Lancaster Pennsylvania
Sellers Patent

The Schedule referred to in this Sellers Patent, and making part of the same, containing a description in the words, of the said Emanuel W. Carpenter himself of his improvement in the plane that makes the tongue in jointing boards, commonly called the groove plane.

To all persons to whom these presents shall come, Emanuel W. Carpenter, of the City of Lancaster, State of Pennsylvania, Plane maker, sends Greeting; Be it known that I the said Emanuel W. Carpenter have invented, constructed, made and applied to use, a new and useful improvement in the plane that makes the tongue in jointing of boards, commonly called the groove plane.

This improvement consists in making two mouths to the plane either square or oblique with a separate bit or iron ~~or~~ wedge for each leaving a small piece of the stock between the two bits, nearly the size of the tongue intended to be made. And a further improvement on the iron or bits of the groove plane now in use, which consists in having two irons or bits, which when put together, resemble the bit or iron in common use.

These two bits or irons are then fastened together by a plate or plates on the back thereof. Fig No. 1. has the one side of the plate secured to the one side of the bit or iron ~~or~~ near to each end of the plate is a mortise cut or sawings. A screw is then screwed into the other iron or bit opposite to these mortises, so that the iron or bits may be placed close together, or moved farther apart ~~or~~ secured at any necessary distance. Fig. No. 2. has the same bits with Fig. 1. with two plates on the back thereof, one of which extends to the top, so as to strengthen the bit at that end. The mortise opposite this plate is cut in one of the bits or irons. ~~or~~ by a screw wrench of these plates are moved as featured as may be. Fig. No. 3. has the same bits or irons as fig. 1. with a mortise in each of them near the

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top which consists of two pieces of the bit are in
in diverge from each other as they progress towards the upper
end of the bit. The plate on the back of these bits, have two rows of
screws, which slide in these mortises, & near the lower end
of the plate are two mortises similar to those in the bits & iron
which are also fastened by screws, & screw into the bits & iron,
so that by moving the plate upwards, the bits & iron are drawn
together & on moving the plate downwards they are separated
& may be secured fast at any distance required.

In testimony that the above is a true specification of my
said improvement, as above described I have hereunto set my
hand & seal the twenty fifth day of Nov. A.D. one thousand
Eight hundred and twenty nine

Witneses
Jas. Samuel Dale }
Michl. H. Dale }

Emil N. Carpenter

(575 words)

(Patented 30. January 1890)

(Revised 5th July 1898 and Revised again.)