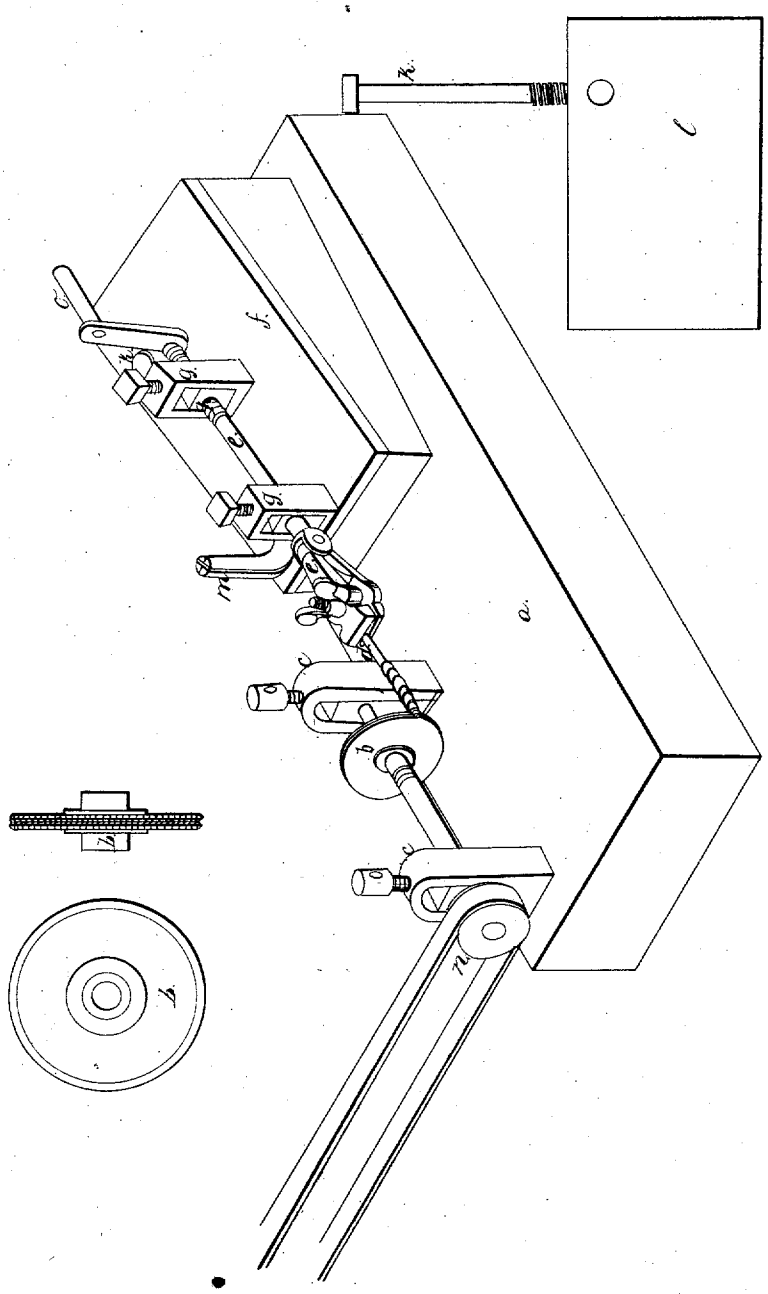
No Printed Specification Available

C. Daniels.

5894X

Milling Machine.

Patented Mar. 30, 1830.



THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

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Charles Daniels assignee of Wm. W. Southworth
Letters Patent. (Patented March 30 1830.)

The Schedule referred to in these Letters Patent & making part of the same containing a description in the words of the said Charles Daniels himself of his improvement in a Machine for cutting the screws of bimblets which Invention he has assigned in due form of Law to Charles Daniels of Saybrook Middlesex County Connecticut which assignment is recorded in the Patent Office in the Book of Transfers Pages 254 & 255.

Be it known that I, Charles Daniels of the Town of Saybrook in the County of Middlesex & State of Connecticut have constructed made & applied to use a new & useful improvement in a Machine for cutting the screws of bimblets as invented and suggested by William W. Southworth (whose right & interest is hereinafter assigned to me) & that the following is a full & exact description of the construction & operation of the said Machine as improved by said Southworth and myself.

This Machine is generally placed upon a bed or basement of wood two feet long, eight inches wide & three inches thick. The buzz arbor is placed about two inches from the back side & left hand end of the bed, in two poppet heads, with suitable rests to sustain it about three inches above the top of the bed. This arbor is made of cast steel, with suitable points or ends to turn in the before mentioned boxes, is about eight inches long, & one half an inch in diameter, with proper shoulders or collars to receive the buzz, which is placed about two inches from the right hand end between the collars upon the arbor. This buzz, which should be made of hard cast steel, from one to three inches in diameter & three eighths of an inch thick, with its periphery turned to form two cutting parts or edges at suitable distances & forms for cutting the double screw of a bimblet at one & the same operation.

The bimblet to be cut is placed in a vice similar to a Goldsmith's or Watch Maker's fine vice, to which vice a screw is connected which plays nearly horizontally & in a direct line with the gimblet thro' two standards or poppet heads raised from the carriage to suitable height to receive the screw about one & a half inches above the carriage bed.

This screw must have a thread coher it passes thro' the right hand standard

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a poppet head as coarse or equal to the double edged in the buzz, or a double thread of the screw in the bimblet. Its use is to guide and propel the gimblet, or move it forwards & backwards while cutting. The carriage bed is about nine inches long five inches broad & three fourths of an inch thick, & is made to turn upon a pivot or screw which is placed about one inch from the back side & three inches from the right hand end of the bed. This pivot or screw fastens the carriage to a wedge of the same length & width as the carriage bed, and about three inches thick at the right, & one and a half inch at the left end, causing an inclination of the carriage to the bed, and should be placed upon the main bed at a suitable angle to bring the threads of the bimblet about square with the buzz.

This machine may be put in motion by any convenient power being applied to a band leading over a small wheel on the left hand end of the buzz arbor, & the operator applying his right hand to a crank upon the right hand end of the pice screw shaft & his left hand to a handle fixed to the front corner of the left hand end of the carriage, to bring the bimblet in contact with the buzz.

What I claim as new & by virtue of said William M. Southmayd's assignment to me, as my own invention or discovery in the above described machine, for the use of which I ask an exclusive privilege, is the application of the double edged buzz, by which both screws of a bimblet may be cut at the same time & by the same operation.

In testimony whereof, I have hereunto set my hand & seal this 22 day of February A. D. 1830.

Witnesses
Julia S. Hemmedinger
Joshua S. Hemmedinger

Charles Daniels

(Seal)

Whereas I, William M. Southmayd, of Saybrook in the County of Middlesex & State of Connecticut, claim to have invented an improvement in the art of cutting the screws of bimblets by means of a double buzz, or a buzz with two edges made & applied in the manner described in the foregoing specification, and in consideration of five dollars received to my full satisfaction of Charles Daniels of said Town of Saybrook, do for myself, my heirs & legal

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representatives hereby sell, convey & assign unto the said Charles Daniels, his heirs and assigns, all my right, title & interest, in the aforesaid invention; also all the right, title & interest, which I have exclusively to the Machine described in the aforesaid specification or any part thereof; also all my right, title, & interest, which I have exclusively to improving, using & vending the same.

In testimony whereof, I have hereunto set my hand & seal, this 22nd day of February A.D. 1830.

Witnesses
Julia S. Kommedieu
Joshua S. Kommedieu

Wm. M. Southmayd (Seal)

(Rec.d & Recorded Seventh day of November 1840. & Exd. N.Y.C.)