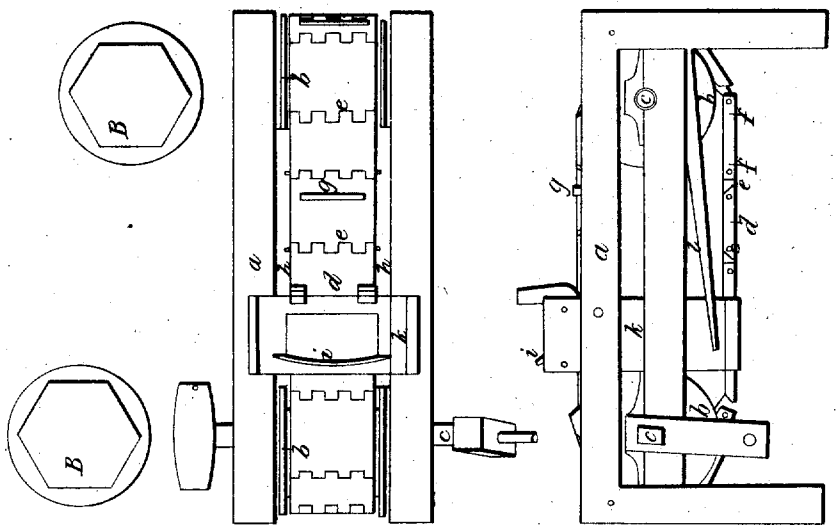
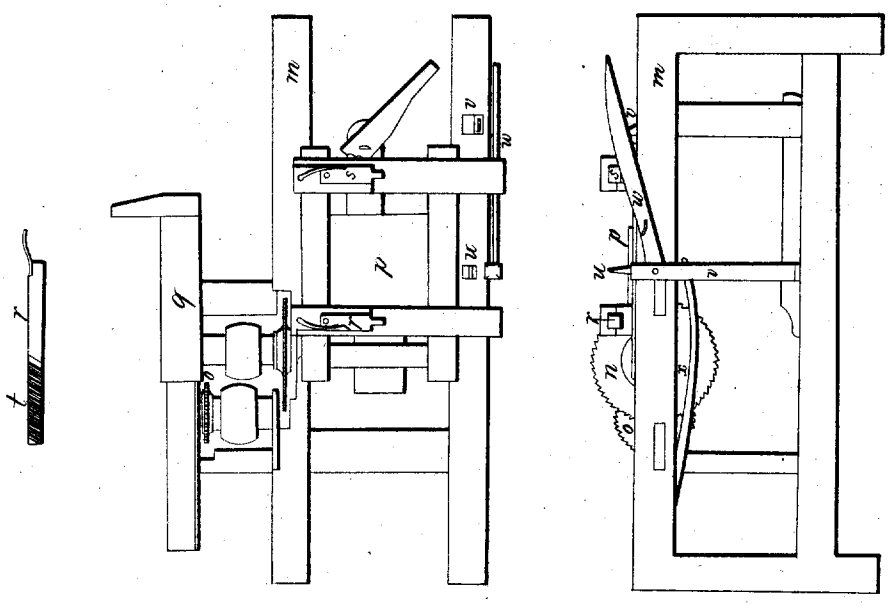
9821X

T. J. Burhyte,

Sawing Shingles,

Patented July 1, 1836.





AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

9821 X

July 1. 1836. 115.

Lewis Q. Bickle Boston New York

Sewing Machine

To the Honorable the Commissioner of the Patent Office

Be it known that I Lewis Q. Bickle of Boston in the County of Suffolk and State of Massachusetts have invented a new and improved sewing machine for sewing fabrics of various kinds and for other purposes for which it may be found applicable and I do hereby declare that the following is a full and exact description thereof reference being had to the annexed drawings making part of this specification in which

Figure 1 represents a perspective view of my machine. Figure 2 a vertical section of the same taken in the line x x Figure 3 a horizontal section taken in the line y y Figure 4 a vertical section taken in the line z z Figure 5 a detached view of the needle and its carrier. Figure 6 a detached view of the thread tightener. Figure 7 a detached view of the take up. Figure 8 a detached view of the feeding apparatus. Figure 9 a detached view of the cam for giving motion to the feeding apparatus. Figure 10 a detached view of the cam for giving motion to the needle carrier. Figure 11 a detached view of the cam for giving motion to the shuttle. Figure 12 a detached view of the cam for giving motion to the thread tightener. Figure 13 a detached view of the cam for giving motion to the take up. Figure 14 a detached view of the cam for giving motion to the feeding apparatus. Figure 15 a detached view of the cam for giving motion to the needle carrier. Figure 16 a detached view of the cam for giving motion to the shuttle. Figure 17 a detached view of the cam for giving motion to the thread tightener. Figure 18 a detached view of the cam for giving motion to the take up. Figure 19 a detached view of the cam for giving motion to the feeding apparatus. Figure 20 a detached view of the cam for giving motion to the needle carrier. Figure 21 a detached view of the cam for giving motion to the shuttle. Figure 22 a detached view of the cam for giving motion to the thread tightener. Figure 23 a detached view of the cam for giving motion to the take up. Figure 24 a detached view of the cam for giving motion to the feeding apparatus. Figure 25 a detached view of the cam for giving motion to the needle carrier. Figure 26 a detached view of the cam for giving motion to the shuttle. Figure 27 a detached view of the cam for giving motion to the thread tightener. Figure 28 a detached view of the cam for giving motion to the take up. Figure 29 a detached view of the cam for giving motion to the feeding apparatus. Figure 30 a detached view of the cam for giving motion to the needle carrier. Figure 31 a detached view of the cam for giving motion to the shuttle. Figure 32 a detached view of the cam for giving motion to the thread tightener. Figure 33 a detached view of the cam for giving motion to the take up. Figure 34 a detached view of the cam for giving motion to the feeding apparatus. Figure 35 a detached view of the cam for giving motion to the needle carrier. Figure 36 a detached view of the cam for giving motion to the shuttle. Figure 37 a detached view of the cam for giving motion to the thread tightener. Figure 38 a detached view of the cam for giving motion to the take up. Figure 39 a detached view of the cam for giving motion to the feeding apparatus. Figure 40 a detached view of the cam for giving motion to the needle carrier. Figure 41 a detached view of the cam for giving motion to the shuttle. Figure 42 a detached view of the cam for giving motion to the thread tightener. Figure 43 a detached view of the cam for giving motion to the take up. Figure 44 a detached view of the cam for giving motion to the feeding apparatus. Figure 45 a detached view of the cam for giving motion to the needle carrier. Figure 46 a detached view of the cam for giving motion to the shuttle. Figure 47 a detached view of the cam for giving motion to the thread tightener. Figure 48 a detached view of the cam for giving motion to the take up. Figure 49 a detached view of the cam for giving motion to the feeding apparatus. Figure 50 a detached view of the cam for giving motion to the needle carrier. Figure 51 a detached view of the cam for giving motion to the shuttle. Figure 52 a detached view of the cam for giving motion to the thread tightener. Figure 53 a detached view of the cam for giving motion to the take up. Figure 54 a detached view of the cam for giving motion to the feeding apparatus. Figure 55 a detached view of the cam for giving motion to the needle carrier. Figure 56 a detached view of the cam for giving motion to the shuttle. Figure 57 a detached view of the cam for giving motion to the thread tightener. Figure 58 a detached view of the cam for giving motion to the take up. Figure 59 a detached view of the cam for giving motion to the feeding apparatus. Figure 60 a detached view of the cam for giving motion to the needle carrier. Figure 61 a detached view of the cam for giving motion to the shuttle. Figure 62 a detached view of the cam for giving motion to the thread tightener. Figure 63 a detached view of the cam for giving motion to the take up. Figure 64 a detached view of the cam for giving motion to the feeding apparatus. Figure 65 a detached view of the cam for giving motion to the needle carrier. Figure 66 a detached view of the cam for giving motion to the shuttle. Figure 67 a detached view of the cam for giving motion to the thread tightener. Figure 68 a detached view of the cam for giving motion to the take up. Figure 69 a detached view of the cam for giving motion to the feeding apparatus. Figure 70 a detached view of the cam for giving motion to the needle carrier. Figure 71 a detached view of the cam for giving motion to the shuttle. Figure 72 a detached view of the cam for giving motion to the thread tightener. Figure 73 a detached view of the cam for giving motion to the take up. Figure 74 a detached view of the cam for giving motion to the feeding apparatus. Figure 75 a detached view of the cam for giving motion to the needle carrier. Figure 76 a detached view of the cam for giving motion to the shuttle. Figure 77 a detached view of the cam for giving motion to the thread tightener. Figure 78 a detached view of the cam for giving motion to the take up. Figure 79 a detached view of the cam for giving motion to the feeding apparatus. Figure 80 a detached view of the cam for giving motion to the needle carrier. Figure 81 a detached view of the cam for giving motion to the shuttle. Figure 82 a detached view of the cam for giving motion to the thread tightener. Figure 83 a detached view of the cam for giving motion to the take up. Figure 84 a detached view of the cam for giving motion to the feeding apparatus. Figure 85 a detached view of the cam for giving motion to the needle carrier. Figure 86 a detached view of the cam for giving motion to the shuttle. Figure 87 a detached view of the cam for giving motion to the thread tightener. Figure 88 a detached view of the cam for giving motion to the take up. Figure 89 a detached view of the cam for giving motion to the feeding apparatus. Figure 90 a detached view of the cam for giving motion to the needle carrier. Figure 91 a detached view of the cam for giving motion to the shuttle. Figure 92 a detached view of the cam for giving motion to the thread tightener. Figure 93 a detached view of the cam for giving motion to the take up. Figure 94 a detached view of the cam for giving motion to the feeding apparatus. Figure 95 a detached view of the cam for giving motion to the needle carrier. Figure 96 a detached view of the cam for giving motion to the shuttle. Figure 97 a detached view of the cam for giving motion to the thread tightener. Figure 98 a detached view of the cam for giving motion to the take up. Figure 99 a detached view of the cam for giving motion to the feeding apparatus. Figure 100 a detached view of the cam for giving motion to the needle carrier.

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Distances upon equal to the lengths of the shingles the joints of the flasks
plasm are alternately varied as respects on the side thereon for the
purpose of showing a fresh surface as against each one another to enable the
shaker to distinguish the respective or second board which the machine is
to smash in each succession in placing the shingles to the sheave.

The frame whilst the machine is applied to one of the ends of the
shingles and which may consist of iron, wood or other proper

The log to be cut into shingles is first placed in a common saw-
mill and sawed through the middle into equal parts lengthwise which
will then open the knots of the heavy and smaller pieces towards
the cutting the timber into rolls; the timber is then cut into rolls of the required
length. Men are then employed to the machine for cutting them into shingles
which consists of a suitable frame [illegible] upon which an arrangement for
[illegible] Men by pulleys and bands in the usual manner — one for showing
the shingle — the other for showing or jointing the edges: also a carriage
for the roll, and a carriage [illegible] on which a set the shingle to be jointed.
also the carriage to contain the roll on the other [illegible] provided with suitable
rings for holding the roll, and the log clothing rack for fixing the machine
there rocker or spindle by [illegible] in the main frame against
which the machine knife of the rocker is brought in contact and which then
shows [illegible] a cutting edge of the shingle of the required shingle.
One of the pins [illegible] have radial movement regulated by a bar [illegible] and
pins [illegible] by the movement of the carriage rings a small rocker
to the log for pushing, rocker to keep for a pin or [illegible] shingle.

The carriages are worked by hand when the shingles are cut from the
roll the carriage moves back, and at the movement [illegible] with the
roll are thrown out the machine [illegible] a distance [illegible] shingles
[illegible] the [illegible] [illegible] the [illegible] [illegible] [illegible]
being [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
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Thos Adam & Any mindis and which classis & seem by Collins
Rent Omits the Agreement Machine for Shearing Knights by Seam
Jam Rivers Shearing Sleeves Pleating Machine Irons Which Collins
Rent & the Jennie Drawing Machine Irons & Any other Shearing on the
same Principle

Witness
Wm Ellis
Wm Williams

Thos Adams

924 x 87