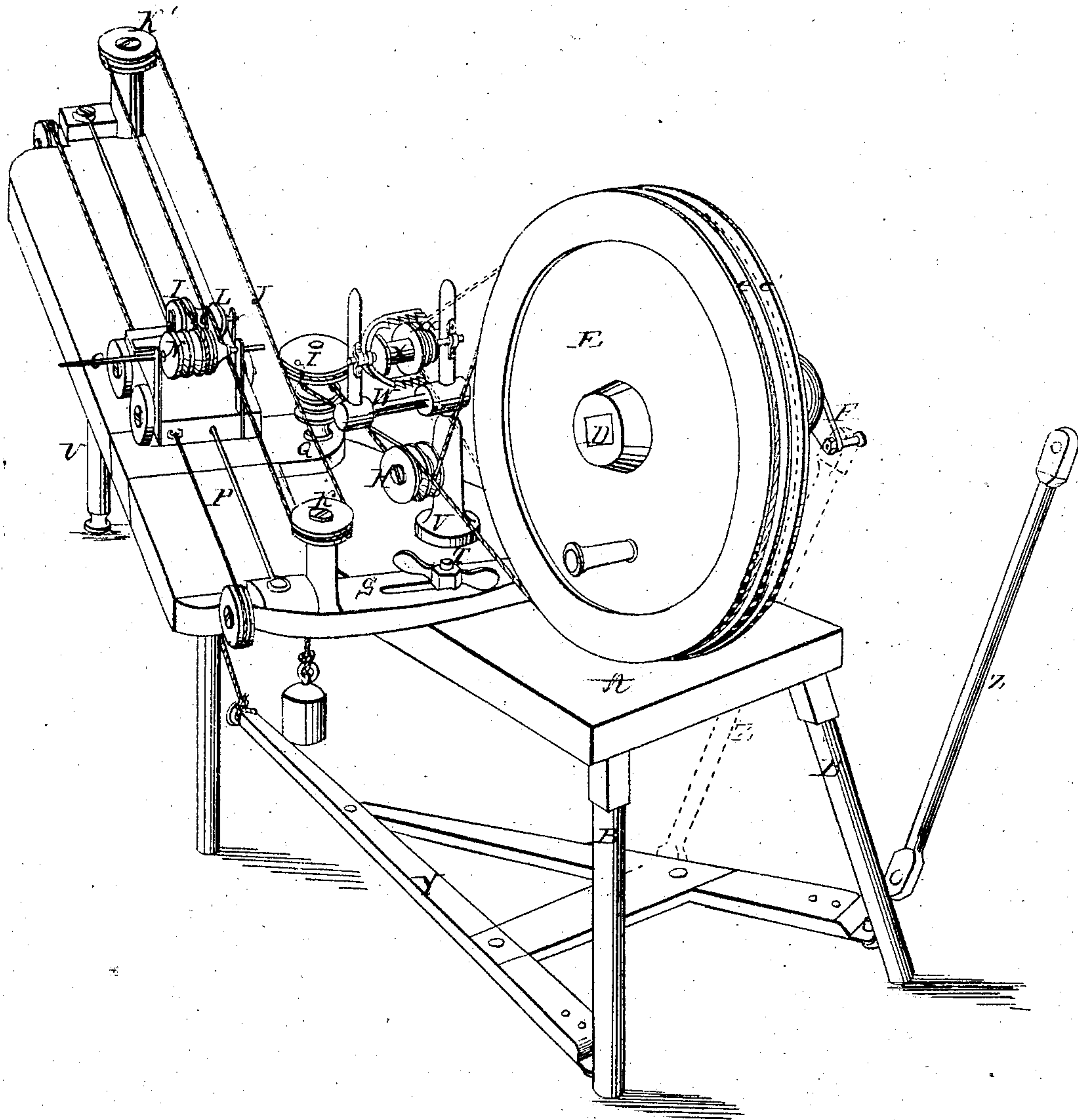


C. Matheny.

Domestic Spinning Mach.

N^o 62,351.

Patented Feb. 20, 1867.



*Witnesses,
H. H. Hoffer
Saml. Knight*

*Inventor
Chelton Matheny
By Knight Bros.
Attorneys*

United States Patent Office.

CHELTON MATHENY, OF GREENSBURG, INDIANA.

Letters Patent No. 62,351, dated February 26, 1867.

IMPROVEMENT IN HAND-SPINNING MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, CHELTON MATHENY, of Greensburg, Decatur county, Indiana, have invented a new and useful Improvement in Hand-Spinning Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification.

The first part of my invention relates to a more convenient relative position of the spindle carriage track and the drive-wheel. The second part of my invention relates to an arrangement of mechanism which enables a wool-spinning machine to be converted to a flax-spinning machine, and *vice versa*.

A is a bench upheld on legs B. A standard, C, upon the bench, affords journal bearing for the shaft D of the drive-wheel E. The rear end of the shaft D has a crank, F, to enable the adaptation of the implement to the purposes of flax spinning in manner presently explained. The drive-wheel E has two slightly differential scores *e e'* for use in flax spinning. From one of the scores *e*, a belt, G, is crossed around an idler H and carried to the whirl I, from a score, *i*, in whose upper part passes a belt, J, which being extended around sheaves K K' on the respective extremities of the spindle carriage track, engages around a drum, L, on the spindle carriage, from a score, *l*, on which a band, *n*, passes to a pulley, N, on the spindle O. Instead of forming part of and being in a line with the bench A, my spindle carriage P is made adjustable horizontally about the stud-shaft Q of the whirl I, as a centre, and having a slotted bracket, S, through which is passed a bolt provided with a set-nut, T, to secure the track when moved out or in to any desired angle with the plane of the drive-wheel E, as may be most convenient to the operator, and so as to bring the path of the spindle point in a line or nearly so with the left hand of the operator. A leg, U, hinged to the outer end of the track, serves to support the same when in use. The advantages of this arrangement will be readily appreciated by any person familiar with hand spinning. By enabling the roll to be held to the left of instead of in front of the body of the operator, from one to two feet greater range of drawing is admissible, with less fatigue to the operator, and with less liability to become entangled with the rolls yet remaining upon her lap. The standard V, which supports the idler H, is surmounted by bearing W for a customary flax-spindle, X, whose whirls *x x*, pertaining to the bobbin and fly respectively, are, when the machine is used for flax, belted each one to its appropriate score on the driving-wheel E. The entire track and its appurtenances are also then removed, and the treadle Y, which for wool spinning is employed to run out the spindle carriage, being now disconnected therefrom, is connected by the pitman Z to the crank F of the drive-shaft.

I claim as new, and of my my invention—

1. The spindle carriage track arranged obliquely to the plane of the drive-wheel, as and for the purposes set forth.
2. In combination with the elements of the clause immediately preceding, I claim making said track adjustable about a vertical axis, and securable at any desired obliquity as set forth.
3. The combination and arrangement of the frame A B, wheel E *e e'*, crank F, treadle Y, pitman Z, and spindle X, to adapt the machine for spinning flax, as explained.

In testimony of which invention I herunto set my hand.

CHELTON MATHENY.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.