O. F. SILCOTT.

Drag-Sawing Machine.

No. 212,577. Patented Feb. 25, 1879.

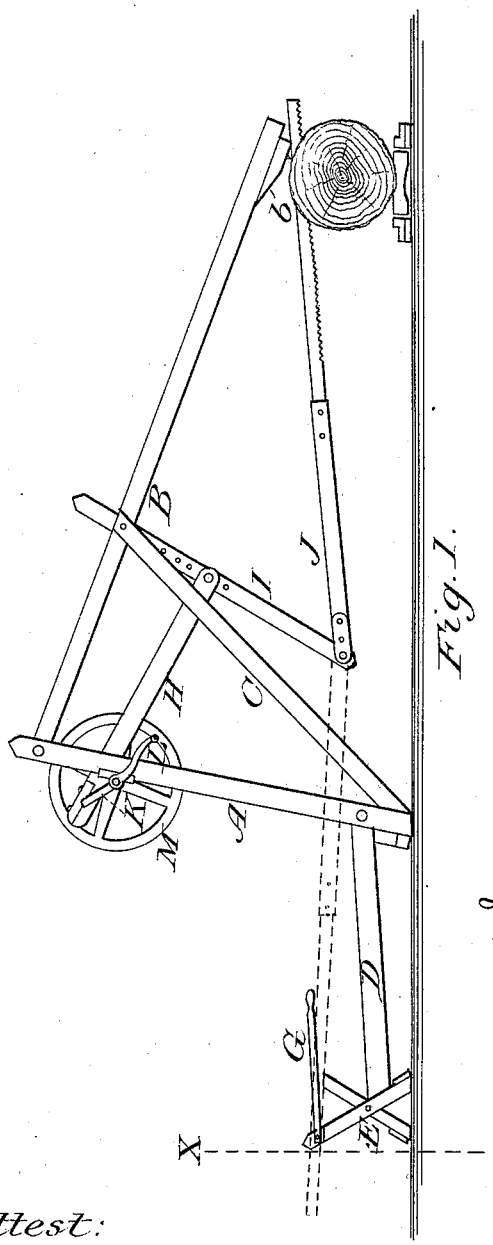

Fig. 1.

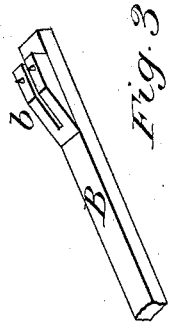

Fig. 3.

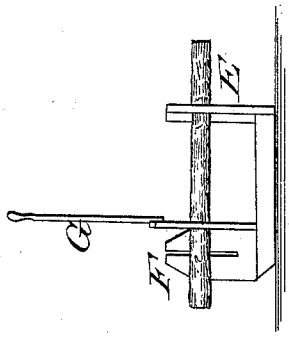

Fig. 2.

Attest:

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UNITED STATES PATENT OFFICE.

OSCAR F. SILCOTT, OF FELICITY, OHIO.

IMPROVEMENT IN DRAG-SAWING MACHINES.

Specification forming part of Letters Patent No. **212,577**, dated February 25, 1879; application filed December 18, 1878.

To all whom it may concern:

Be it known that I, OSCAR F. SILCOTT, of Felicity, in the county of Clermont and State of Ohio, have invented certain new and useful Improvements in Combination Crosscut and "Buck" Sawing Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention consists in the combination of the saw attached to the lower end of the swinging lever, which is bolted to the long arm of the machine-frame, and connected by a connecting-rod to the driving-shaft, upon the opposite ends of which are a crank and fly-wheel, the frame-work A, B, and C, the connecting-rods D, and the buck, with its lever G and saw-guide F.

The use of this machine will be readily understood at a glance; but the object of my invention is to produce a simple and easy method for crosscut or drag and buck sawing, by economizing the labor of the operator, and at the same time enabling one person to perform the labor of two persons, ordinarily, in crosscutting logs, and to do buck-sawing with less exertion than is usually required in the old way of buck-sawing fire-wood.

My invention is more fully set forth in the accompanying drawings, where figures and letters denote the parts.

Figure 1 is a side view of my machine complete. Fig. 2 is an end view of the buck attachment with the lever raised. Fig. 3 is a top view of the under side of one end of the long arm, showing the saw-guide and the pins for holding the arm fast to the log.

In Fig. 1, A is one of the upright pieces, with a corresponding piece on the opposite side, between which, and at the top, is bolted one end of the long arm B, the other end of which rests upon the log, and is fastened to it while sawing by the pins in its under side. *b* is the saw-guide. C is a brace, bolted to the lower ends of the uprights A, and to the sides of the long arm B at a point where the swinging lever is mortised into it. D D are connecting-rods, fastened to the lower ends of the uprights A, and to one end of the buck, to hold it securely in its place. E is the buck; F, the saw-guide; G, the lever for holding the stick of wood securely in the buck while it is being sawed in two. H is the connecting-rod, which is loosely pinned at one end to the swinging lever I, and the other end is clamped around the center of the driving-shaft, which is ⊐-shaped. I is the swinging lever; J, the saw and handle; K, the driving-shaft; M, the fly-wheel.

The dotted lines represent the saw after it has been unpinned from the bottom of the swinging lever and reversed for wood or buck sawing. The driving-shaft K is clamped to the sides of the uprights A. The little holes in the swinging lever are for the purpose of regulating the stroke.

In Fig. 2, E is the buck, represented with a stick of wood upon it ready for sawing. G is the lever for holding the stick securely in its place while sawing it into stove-lengths. The lever is elevated to a point at X in Fig. 1, where it remains fixed by an offset cut in its side at one end, which rests against the top end of one leg of the buck, so that it will be within easy reach of the operator when the stick has been placed within the buck for sawing. F is the saw-guide, one side of which forms one leg of the buck.

In Fig. 3 is shown the under side of the long arm B, the end of which rests upon the log, showing the saw-guide and the pins for holding the long arm securely in its place while the log is being sawed.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the uprights A, with the long arm B, with its saw-guide *b*, and the braces C, the swinging lever I, and the connecting-rod H to the ⊐-shaped driving-shaft K, with its fly-wheel M and crank L, together with the saw and handle J, making the drag or crosscut sawing machine, the connecting-rod D, the buck E, lever G, and the saw-guide F, with all their parts combined, making a machine complete for drag or crosscut and buck sawing, substantially as herein shown and described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

OSCAR F. SILCOTT.

Witnesses:
T. G. DENNIS,
R. F. DAY.