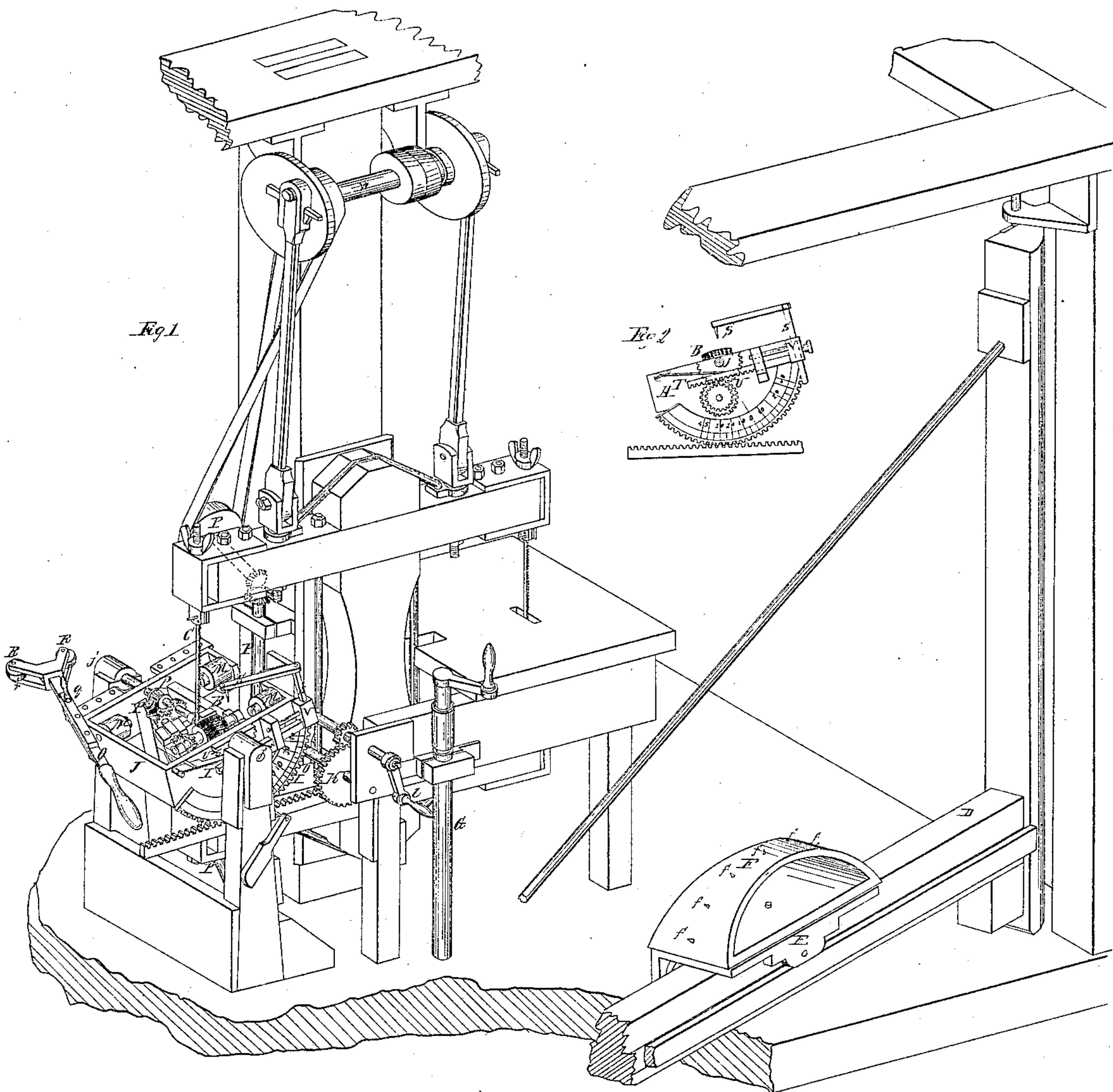


*J. C. Hintz,*

*Scroll Sawing Machine.*

*No. 22,726.*

*Patented Jan. 25, 1859.*



*Witnesses,  
Geo. H. Wright  
Jas. H. Smith*

*Inventor.  
John C. Hintz*



# UNITED STATES PATENT OFFICE.

JOHN C. HINTZ, OF CINCINNATI, OHIO.

## MACHINE FOR SAWING WINDING FORMS.

Specification of Letters Patent No. 22,726, dated January 25, 1859.

*To all whom it may concern:*

Be it known that I, JOHN C. HINTZ, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Machines for Sawing Winding Forms; and I hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

This is an improvement on the machine for sawing beveled curves patented to me 1st December 1857 and consists in certain devices for more effectually and easily imparting the desired wind or varying bevel.

Figure 1, is a perspective view exhibiting portions of a sawmill embodying my improvements. Fig. 2, is a detached view of the indicating mechanism hereinafter described.

The scroll saw C, feed roller B, friction rollers M, and cranes D, (one shown) and carriages E (one shown) with their operating mechanism G, &c., may be substantially as described in my patent aforesaid.

J, is a swinging or rocking bench suspended at or near its mid width, by horizontal pivots *j* coincident with the plane of the saw. The spheroidal feed roller B, is journaled horizontally in the top of this bench at right angles to the pivots *j*, and immediately in front of the saw. The cant or bevel of the bench J, may be adjusted by the hand through the medium of gearing K, L, operated by a winch *l*, or it may (for a regular wind or spiral) be worked automatically by a simple and obvious connection with the driving shaft.

A scale of degrees O, enables the sawyer to work to a specific bevel if desired, but in most cases he will work to a line laid off on the stuff.

The feed roller B, may derive its motion through the medium of gearing P, connected with the driving shaft W, or it may be operated by a winch placed conveniently for the hand of the sawyer.

In order to permit the stuff to assume and retain any canted or sloping position at which it may be placed in consequence of the inclination of the bench; I construct my rests F, (one shown) arched or crowning as represented and armed with spikes *f*. The

rest F, has full horizontal vibration on its carriage E as in my patent aforesaid. 55

S, is an index finger or pointer which by a simple arrangement of rack T, and gearing U, derives from the oscillation of the bench J, an advancing or receding motion equal but opposite to the cant of the feed roller, so as to indicate above the log or slab the relative lateral position of the lower edge of the kerf. This finger S, is adjustable in height its stem *s*, being capable of being fixed higher or lower in the socket V, according to the thickness of the slab. 60 65

A lever Q, pivoted (*q*) adjustably to either side of the bench and having unequal arms R, R', each mounted with a roller *r* (*r'*) enables the sawyer or an attendant to pry the log or slab to one side; a necessary provision for very knotty or crooked stuff. 70

Having thus fully described my invention the following is what I claim as new therein and desire to secure by Letters Patent. 75

1. In the described combination with one or more shifting supports or rests I claim the rocking bench J, suspended at or near its midwidth by journals *j*, and provided with suitable feeding and canting mechanism substantially as set forth. 80

2. In the described connection with a carriage E, and crane D, and with a rocking bench J, having the described or equivalent feeding and canting mechanism; I claim the vibratory and arched rest F, armed with spikes *f*; the whole being arranged and operating substantially as set forth. 85

3. In the described combination with a rocking rest J and spheroidal feed roller B; I claim the pointer S, *s*, adjustable in height and having the described automatic retrograde motion so as to indicate on the top of the slab the relative position of the bottom of the kerf as set forth. 90 95

4. In the described combination with the rocking bench J; I claim the prying lever Q, constructed and operating substantially as set forth. 100

In testimony of which invention, I hereunto set my hand.

JOHN C. HINTZ.

Witnesses:

GEO. H. KNIGHT,  
C. STEEMER.