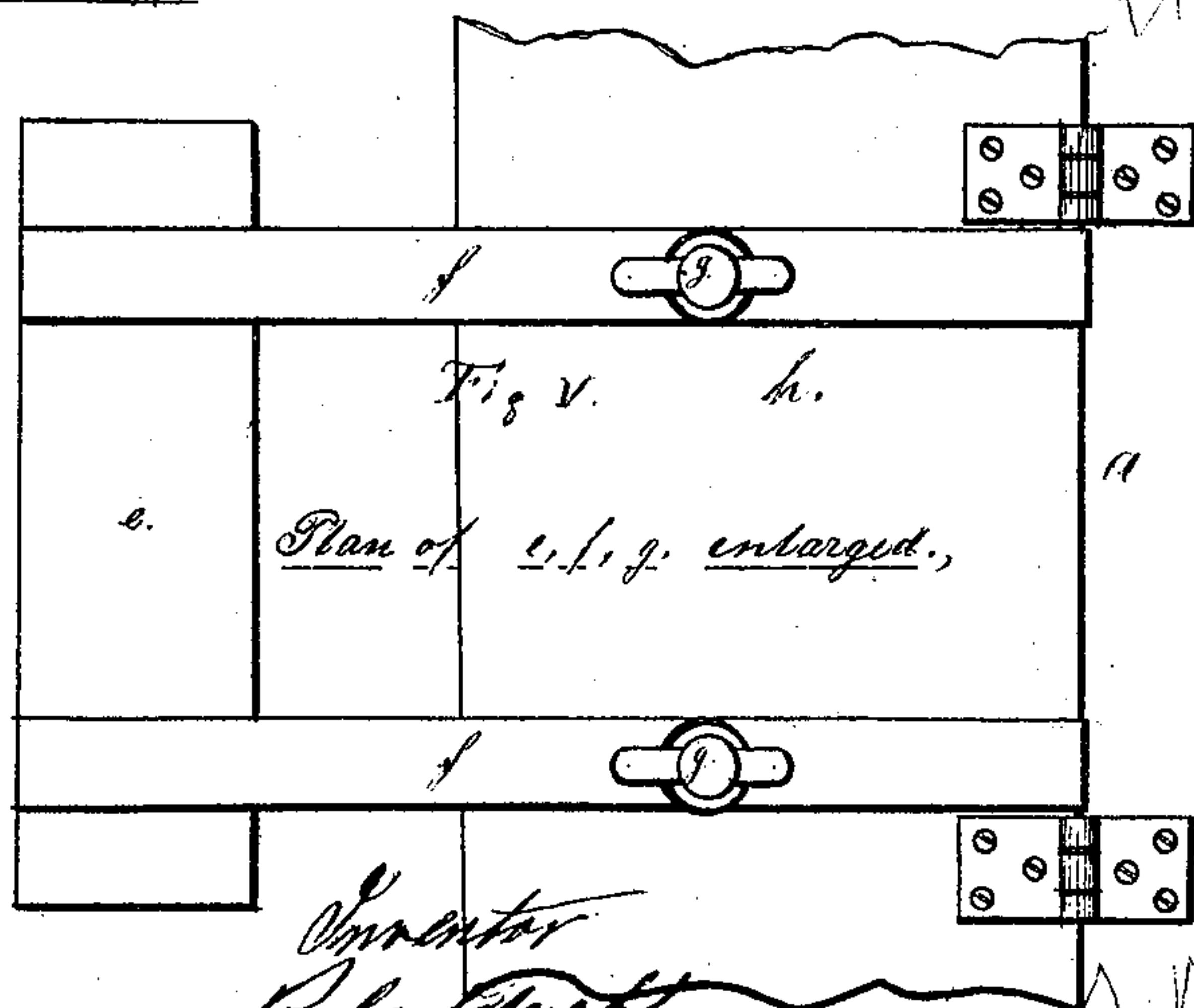
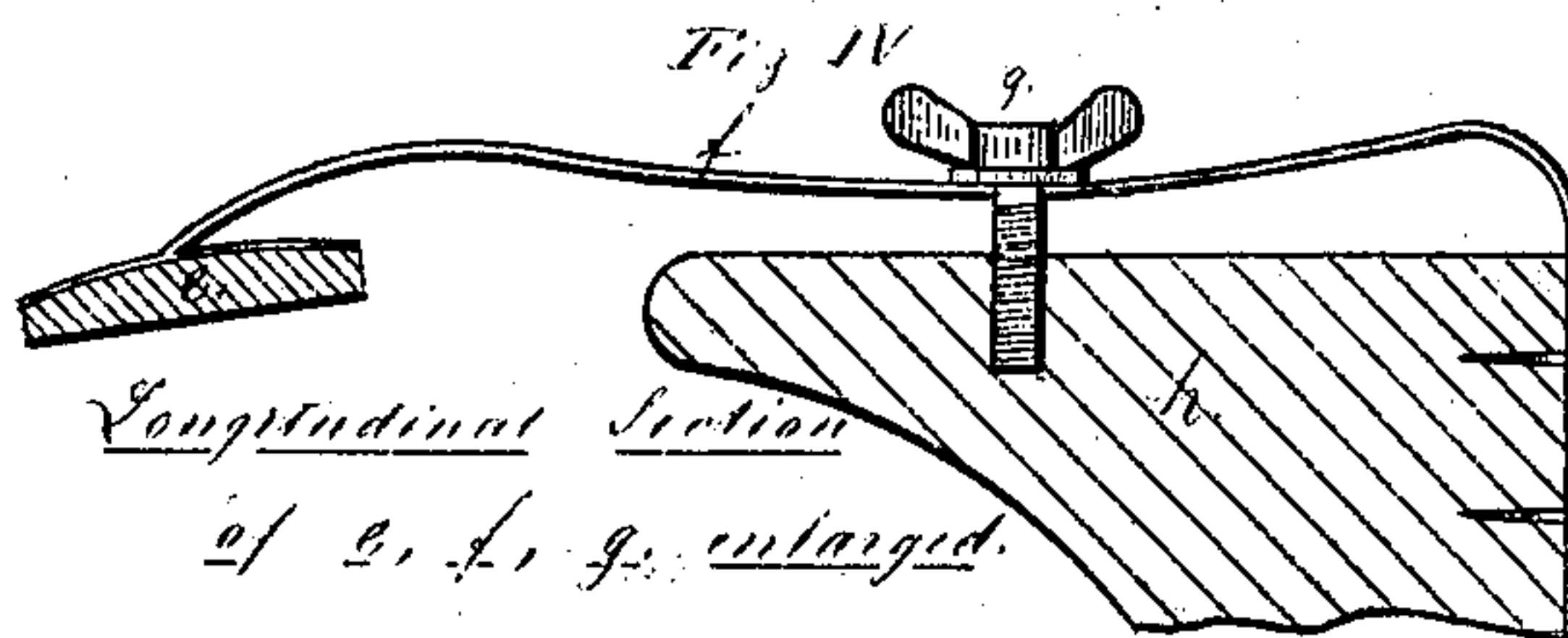
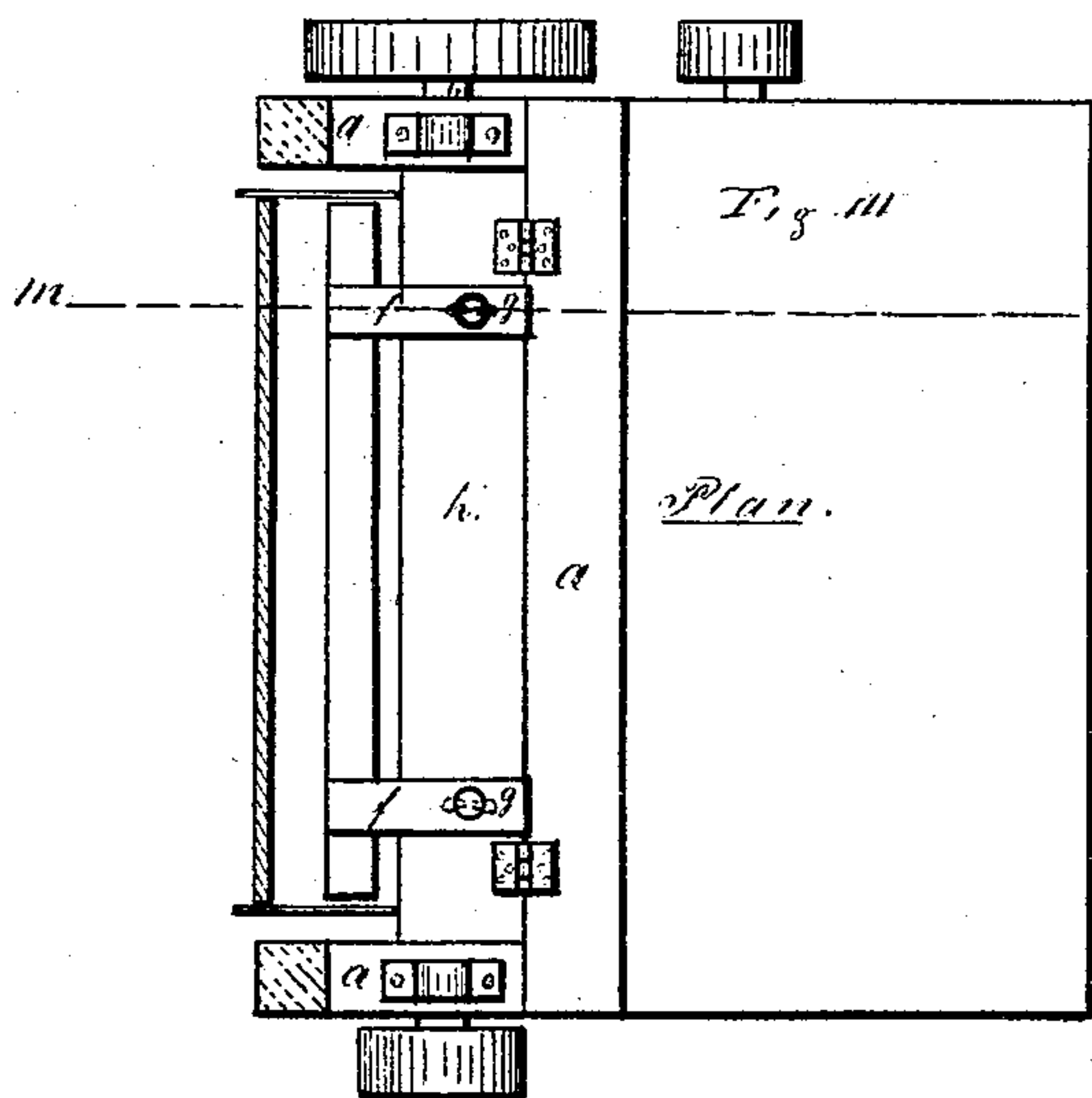
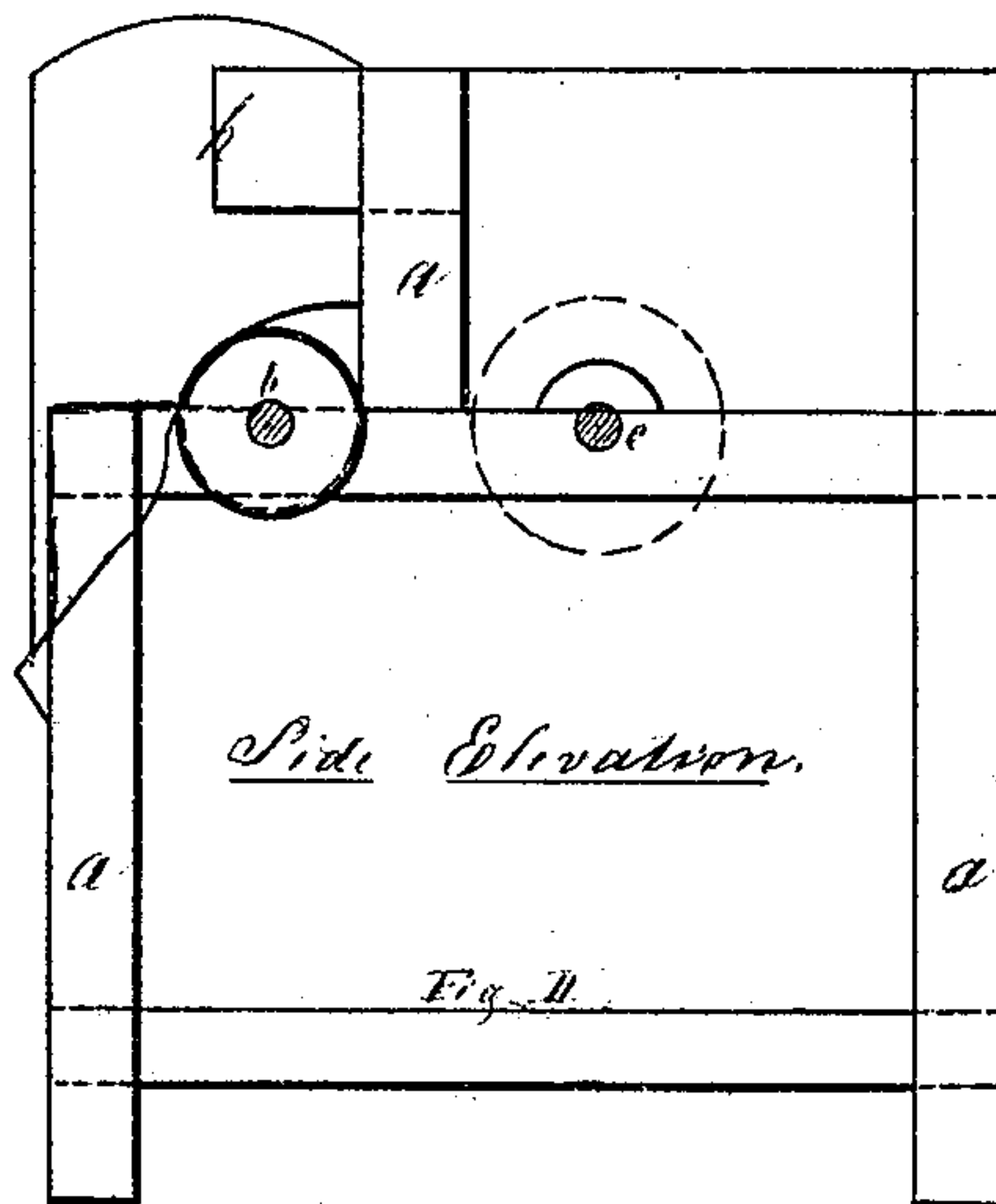
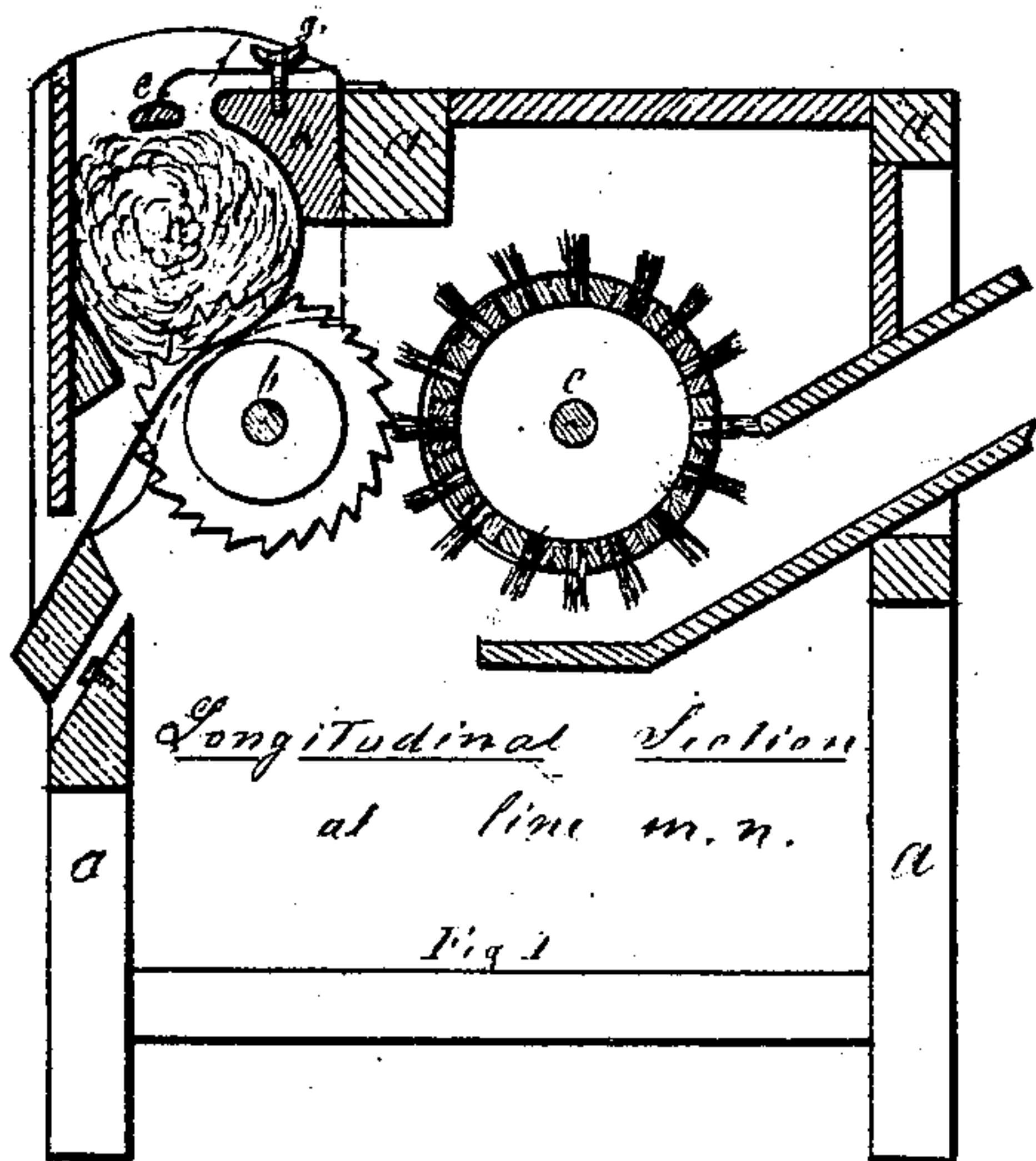


R. McKenna,

Cotton Gin.

No. 103638.

Patented Mar. 31. 1870.



Witness  
Chas. Shloss.  
Sol. Rose

Inventor  
Robert McKenna

# UNITED STATES PATENT OFFICE.

ROBERT McKENNA, OF WHITE'S STATION, TENNESSEE.

## IMPROVEMENT IN COTTON-GINS.

Specification forming part of Letters Patent No. **103,638**, dated May 31, 1870.

*To all whom it may concern:*

Be it known that I, ROBERT McKENNA, of White's Station, in the county of Shelby and State of Tennessee, have invented an Improvement in Cotton-Gins, of which the following is a specification:

### *Nature and Object of my Invention.*

The nature of my invention consists in the employment of a slat, held horizontally, and presses longitudinally on the upper surface of the roll in cotton-gins by means of springs, the object of my invention being to cause a greater and more uniform density and pressure of the roll against the saws, thereby preventing the roll from breaking or spewing, and increasing the capacity of the gin as to quantity.

### *Description of the Accompanying Drawing.*

Figure I is a longitudinal sectional elevation of a cotton-gin embodying my invention. Fig. II is a side elevation of the same. Fig. III is a plan of the same. Fig. IV is a longitudinal section of *e f g* enlarged. Fig. V is the plan of *e f g* enlarged.

### *General Description.*

*a* is the frame of the cotton-gin. *b* is the saw-cylinder. *c* is the brush-cylinder. *d* is the roll. *h* is the breast, all constructed, located, and operated in the usual manner. *e* is the slat, which constitutes the main part of my invention. It is placed horizontally and longitudinally on the upper surface of the roll *d*, and held in position by the springs *f f*, the stationary ends of which are fastened to the beam of the breast *h*.

The amount of pressure of the slat *e* on the roll *d* is regulated by the thumb-screws *g g*, which pass through an orifice in the springs *f f* near their stationary ends, and screw into the beam of the breast *h*.

### *Claim.*

I claim as my improvement and desire to secure by Letters Patent—

The slat *e* and springs *f f*, when combined and arranged as specified.

ROBERT McKENNA.

Witnesses:

JOHN McKENNA,  
CHAS. C. McCUBBIN.