

(No Model.)

A. SCHOOLEY.
CROSS CUT SAW FRAME.

No. 286,966.

Patented Oct. 16, 1883.

Fig. 1.

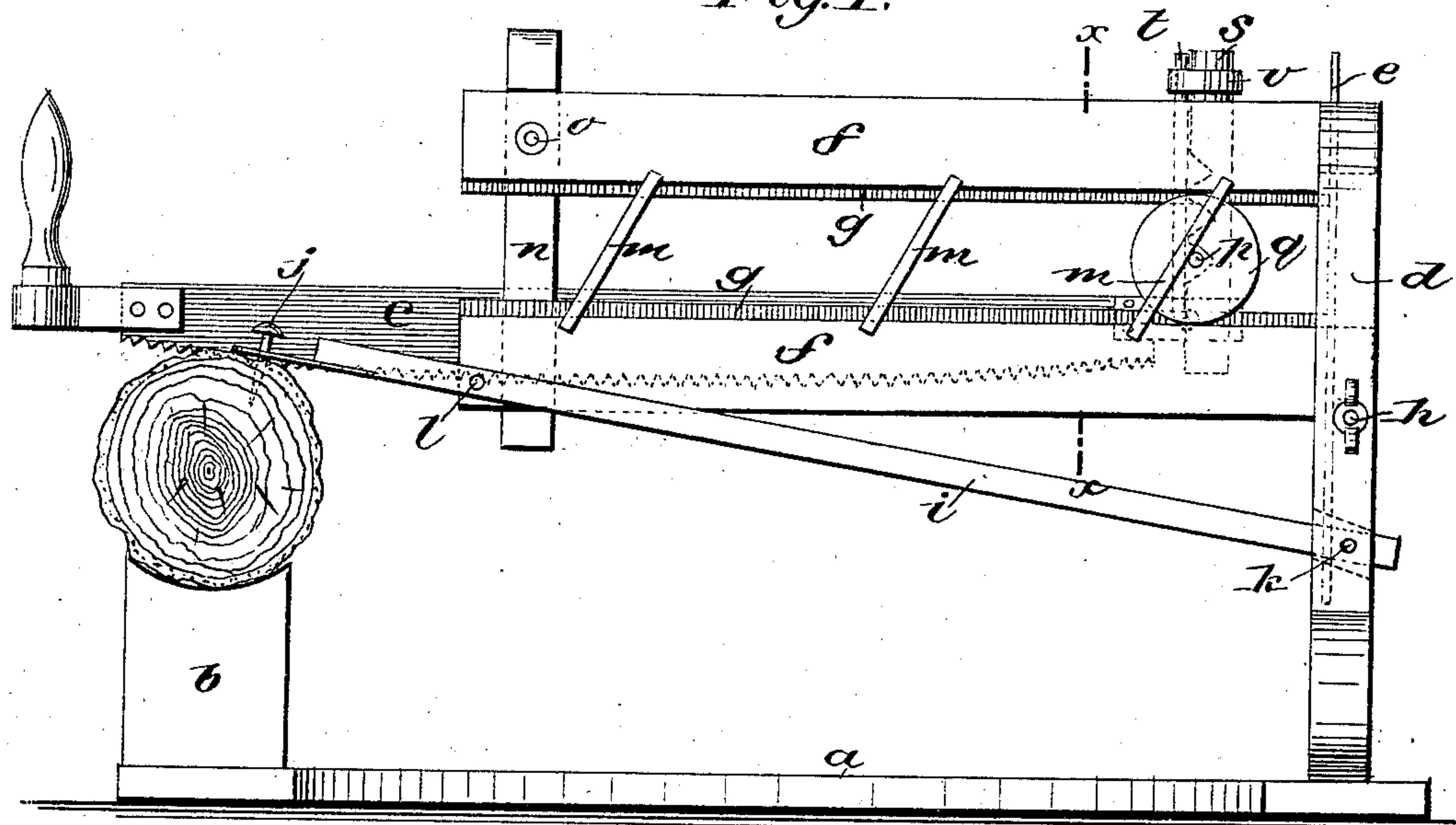


Fig. 2.

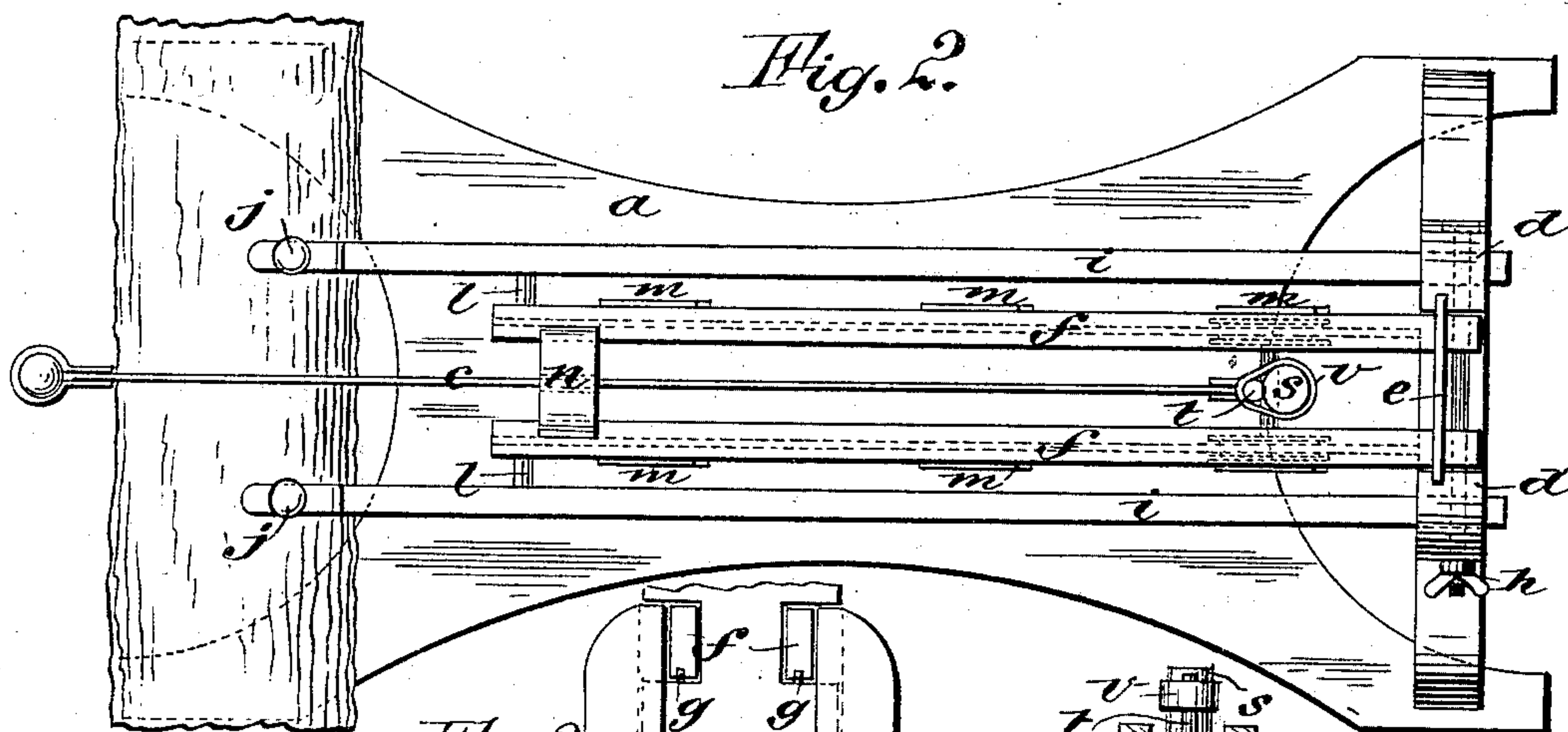
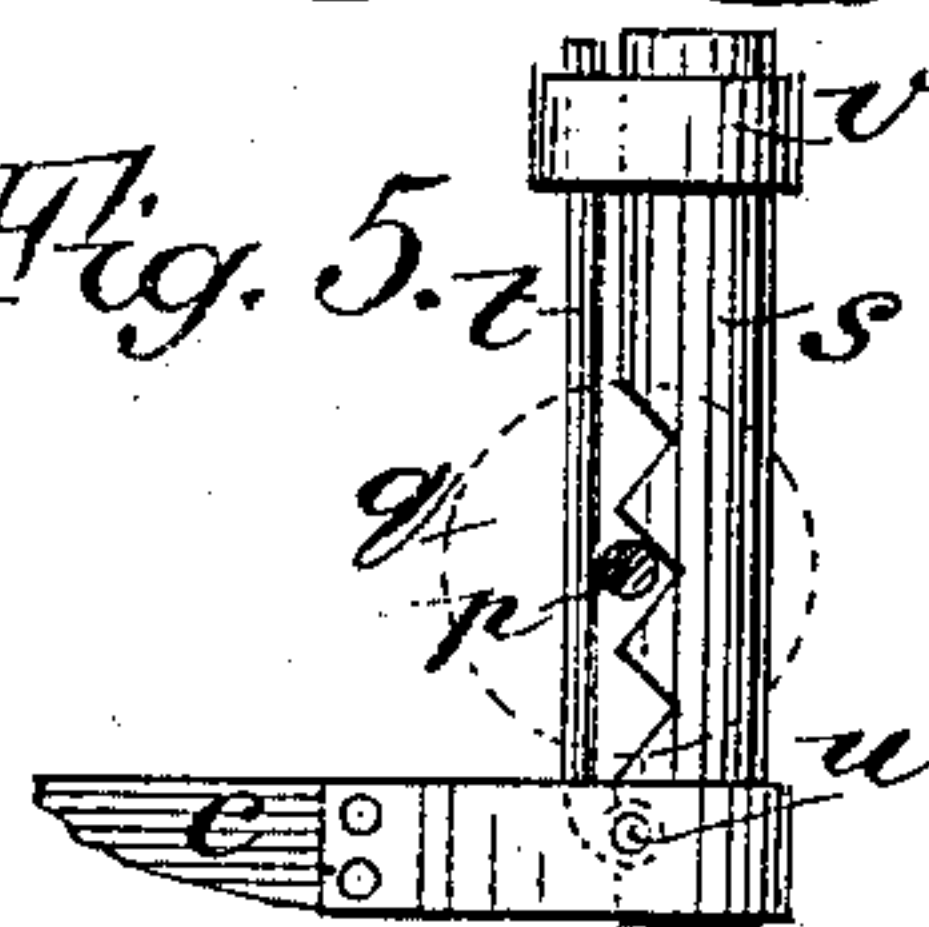
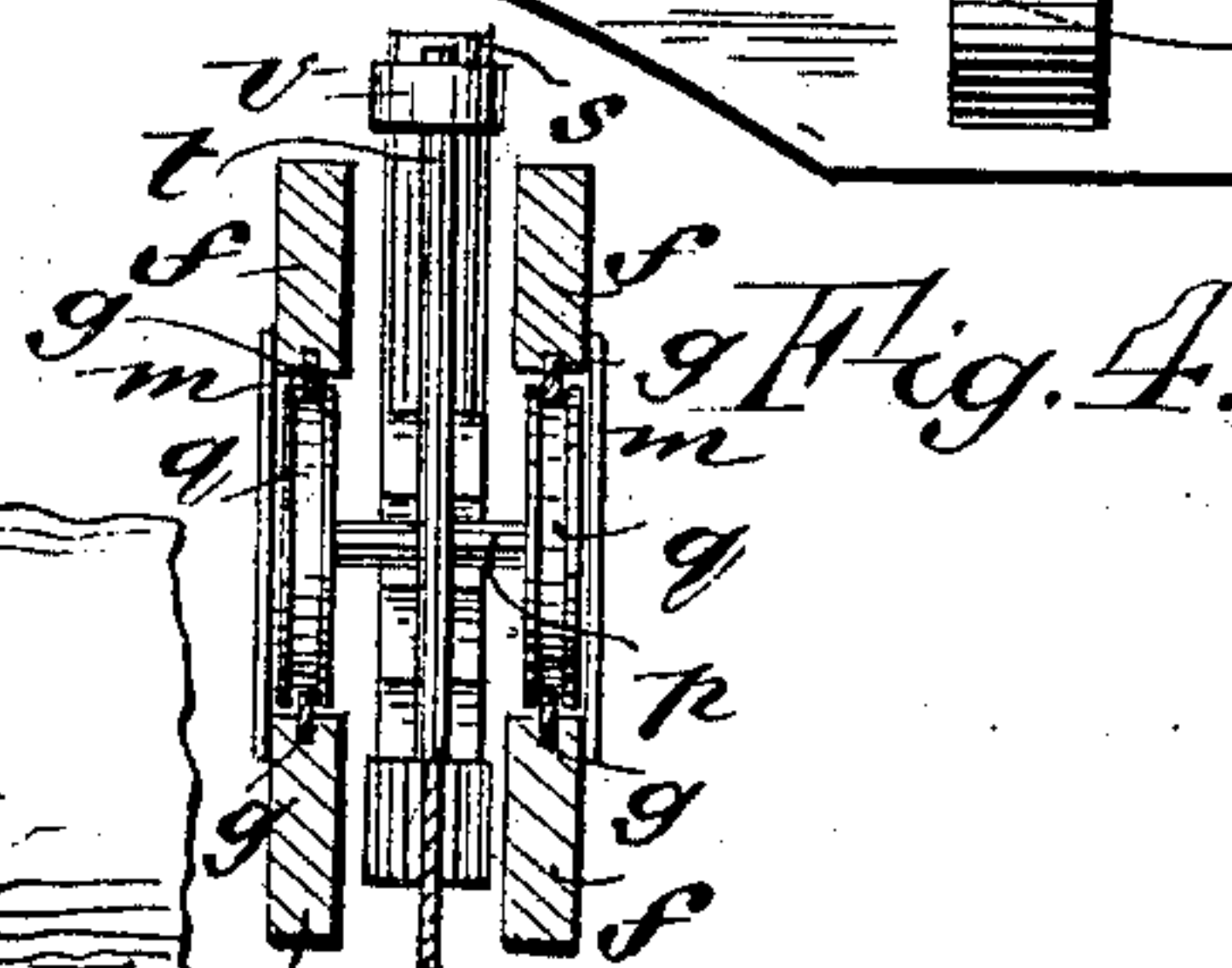


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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CROSSCUT-SAW FRAME.

SPECIFICATION forming part of Letters Patent No. 286,966, dated October 16, 1883.

Application filed May 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, ANDREW SCHOOLEY, of Litchfield, in the county of Herkimer and State of New York, have invented a new and Improved Crosscut-Saw Frame, of which the following is a full, clear, and exact description.

My invention consists of an axle and roller or wheels for one end of the saw, with guide-rails above and below the wheels, which are attached at one end to a slide in a vertical frame, to the base of which the braces for holding the log are attached, and at the other end of said rails they are supported on said braces to rise or fall, according to the size of the log, by sliding in the said vertical frame and swinging with the braces, and the saw is vertically adjustable on the axle of the wheels by which it is carried, to shift it as desired, the whole making a simple, efficient device, whereby one person may operate a crosscut-saw for sawing logs of any size, all as hereinafter described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of my improved sawing-machine. Fig. 2 is a plan view. Fig. 3 is an end elevation. Fig. 4 is a section on the line *xx* of Fig. 1; and Fig. 5 is a detail in side elevation, showing the contrivance for connecting the saw to the axle of the carrying-wheels.

At one end of the base *a*, I arrange the log-supports *b*, on which the logs are to be placed under the saw *c*; and at the other end of said base I arrange an upright frame, *d*, fitted with guide-grooves, in which the head *e* of the saw-guide frame, consisting of bars *f* and rails *g*, is arranged to be shifted up and down when it may be required to raise or lower the saw-guides for altering the height of the saw, and to be secured at any position by the binding effect of the bolt and nut *h*, which, when tightened up, holds the head fast, but allows it to

be shifted when suitably slackened. Below the frame-bars *f* there are braces *i*, attached to the uprights *d*, which project upward and forward over the log-supports *b*, to be employed for staying the logs by dogs *j*, said braces being capable of swinging up and down on pivots *k* to some extent; and the bars *f* for the support of the rails *g* are pivoted to braces *i* at *l* for support, where they terminate a little short of the place where the log rests. Said bars *f* are connected by stays *m*, and also by a vertical bar, *n*, which has a vertical slot (dotted, Fig. 2) from the lower end up to about where the bolt *o* extends through it and the upper bars, *f*, to bind said upper bars and stay them together, the said stay *n* being connected to the lower bars separately, so that the saw is free to rise and fall in the slit of said stay *n* for a guide. The saw is connected at the end which runs in the guides to the axle *p* of the rollers *q* by the notched handle *s* and the rod *t*, said rod being pivoted at *u*, and secured to the upper end of handle *s* by a ring, *v*, so that by slipping the ring off from the upper end of the handle, rod *t* may be swung back to allow the saw to be set up or down on the axle, to set it higher or lower when required. The handle *s* extends up between the upper bars, *f*, of the guides for the means of holding the saw up in the vertical plane, and of carrying the ring *v* above said guides when it is convenient for adjustment.

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

The combination, with a crosscut-saw, of rising and falling supports at one end, wheels and axle at the other, guide-rails above and below the wheels, and a vertical slide carrying the guide-rails, as shown and described.

ANDREW SCHOOLEY.

Witnesses:

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O. B. RUDD.