

(No Model.)

2 Sheets—Sheet 1.

C. E. RING.

LOG HOLDER FOR SAW MILLS.

No. 265,439.

Patented Oct. 3, 1882.

Fig. 1.

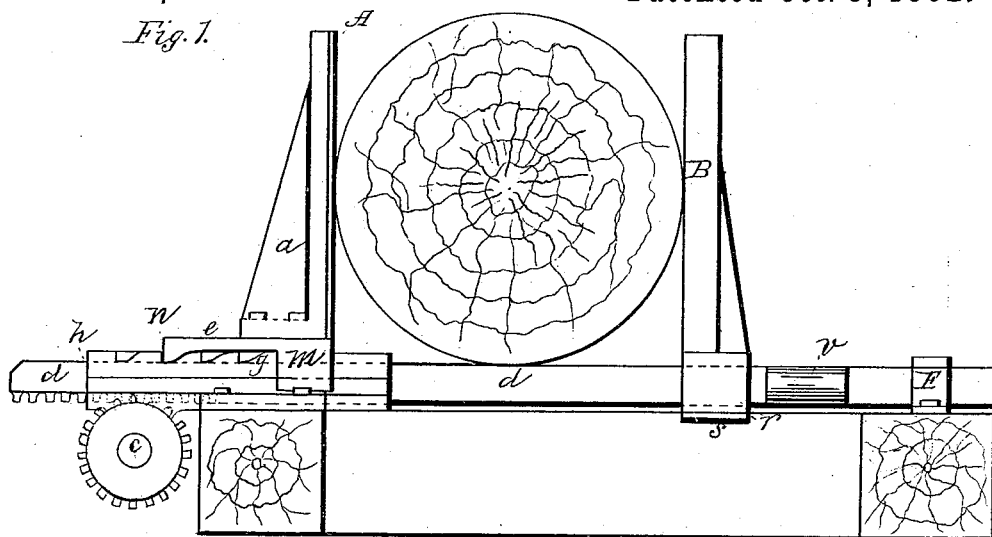
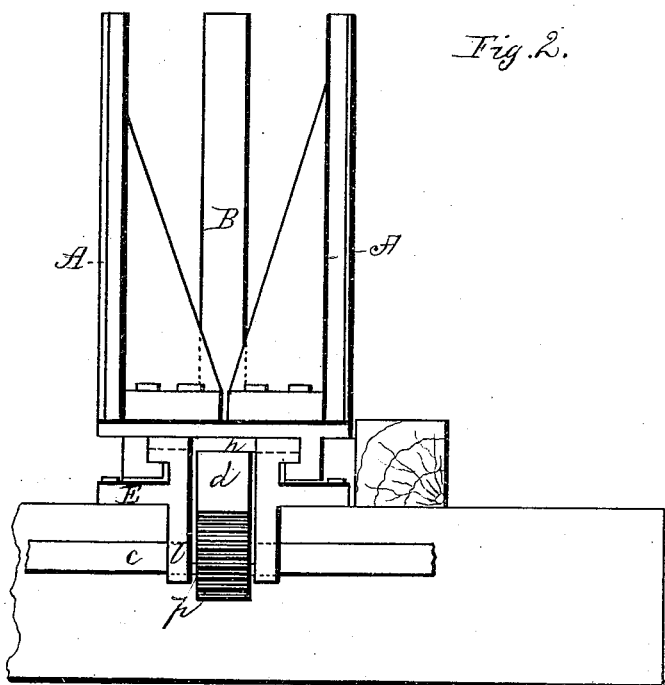


Fig. 2.



WITNESSES

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(No Model.)

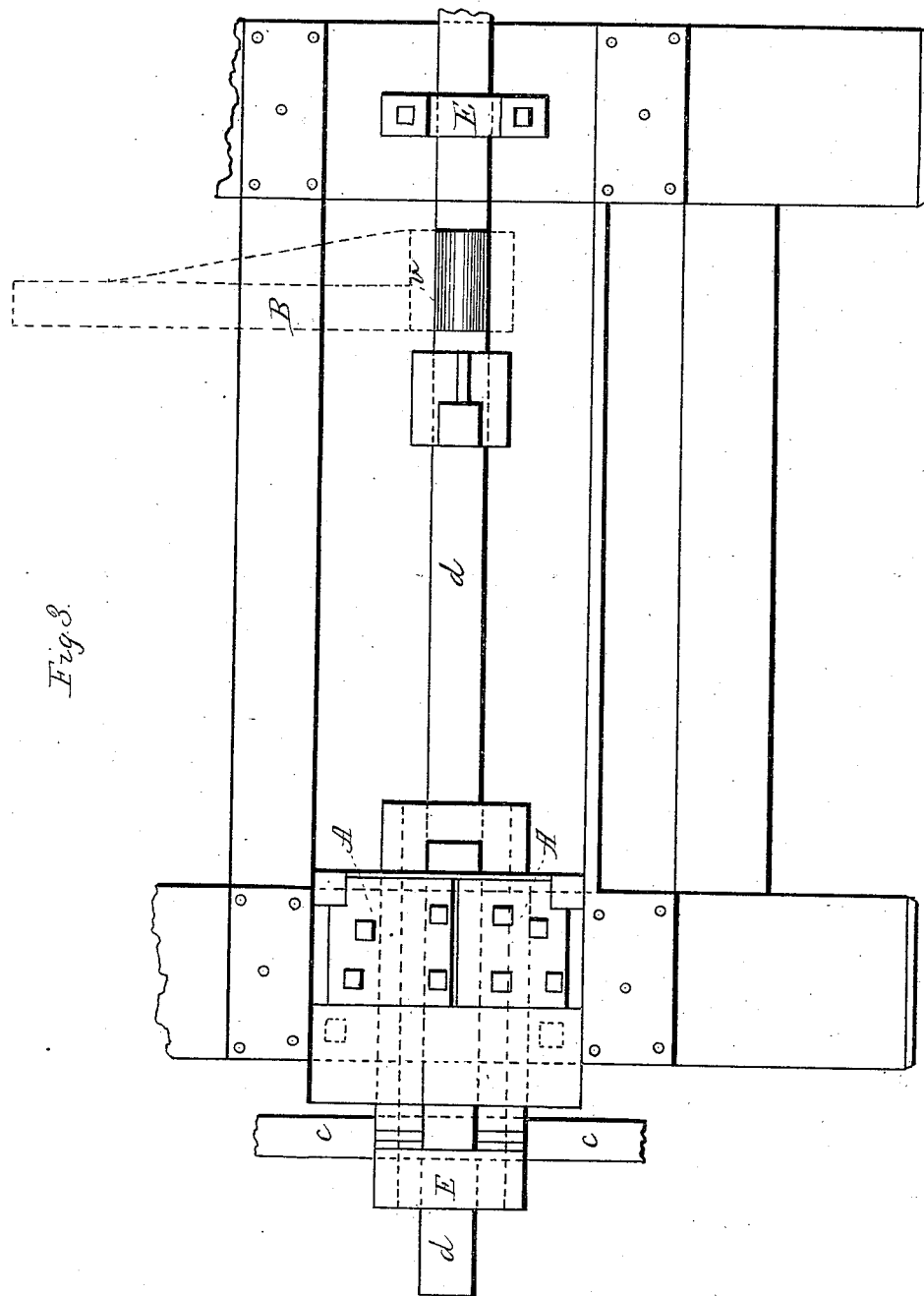
2 Sheets—Sheet 2

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LOG HOLDER FOR SAW MILLS.

No. 265,439.

Patented Oct. 3, 1882.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES E. RING, OF SOUTH SAGINAW, MICHIGAN.

LOG-HOLDER FOR SAW-MILLS.

SPECIFICATION forming part of Letters Patent No. 265,439, dated October 3, 1882.

Application filed July 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHAS. E. RING, a citizen of the United States, and a resident of South Saginaw, in the county of Saginaw and State of Michigan, have invented a new and valuable Improvement in Log-Holders for Saw-Mills; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is an end elevation of my log-holder. Fig. 2 is a section of a side elevation. Fig. 3 is a plan view.

This invention has relation to devices for fastening logs on drag-saw carriages; and it consists in the construction and novel arrangement of the adjustable clamping standards, the connecting shaft or bar, and the rack and pinion, all as hereinafter set forth.

In the accompanying drawings, the letter A designates the drag-saw carriage or a portion thereof, to which the log B is to be secured.

E represents a casting, which is firmly bolted to one side of the carriage. This casting is formed with a rack-top, *e*, and with lateral grooves or guides *g*. A bearing *h* is also provided in said casting for the passage of one end of a strong connecting rod or bar, *d*, which is formed at this end with a rack, *k*, on its under surface, to engage a pinion, *p*, which is arranged in bearings *c*, and is provided with a shaft, *l*, whereby it can be turned.

On the casting E is arranged the upright or standing clamp-post A, having a base, *m*, provided with flanges or projections *n* to engage the guides *g* of the casting, and with under teeth, *t*, to engage the rack-top *e*, so that when the clamp-standard A is adjusted in position to suit a large or a small log it will be firmly fixed in that position. This clamp-standard can be made single or double; but the double form is preferred, and is illustrated in the drawings. By this form more bearing is afforded to the log, so that it is not liable to be pulled off the carriage by the action of the saw.

B represents the clamping-standard, which is adjusted on the opposite side of the log. This standard is formed with a bearing, *r*, in its base *s*, through which the shaft or bar *d* passes, and is adjustable on said shaft. It is also arranged to turn down on either side of said shaft or bar *d*, so that the log can be rolled over it into position. The shaft or bar *d* may be made round or square. If the latter form is employed, the upper surface is serrated usually, and a rounded bearing is formed at *v* to allow the standard-clamp B to be turned down when necessary.

The operation of the device is as follows: The standard or abutment A having been adjusted in position and the standard B turned down, the log is rolled on the carriage against the standard A. Then the standard B is raised and slipped on the bar or shaft *d* up against the log. The pinion is now turned, moving the shaft or bar *d* endwise and causing the foot *s* of the standard B to cramp on the bar or shaft, so that said standard B is by this operation brought up tightly against the log, and at the same time prevented from slipping back.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. A clamping device for fastening logs on saw-carriages, consisting of two adjustable clamp-standards, one of which can be turned down, a connecting rack bar or shaft, and a pinion engaging said rack-bar, substantially as specified.

2. In a clamping device for fastening logs on saw-carriages, the combination, with a connecting bar or shaft, *d*, of the clamp-standard A, the clamp-standard B, adapted to be turned down, and devices for approximating said clamp-standards, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES E. RING.

Witnesses:

W. J. LAMSON,
J. B. LOCKE.