

(No Model.)

W. G. BAUMGARDNER.

CIRCULAR SAW LIFTER.

No. 305,883.

Patented Sept. 30, 1884.

Fig. 1.

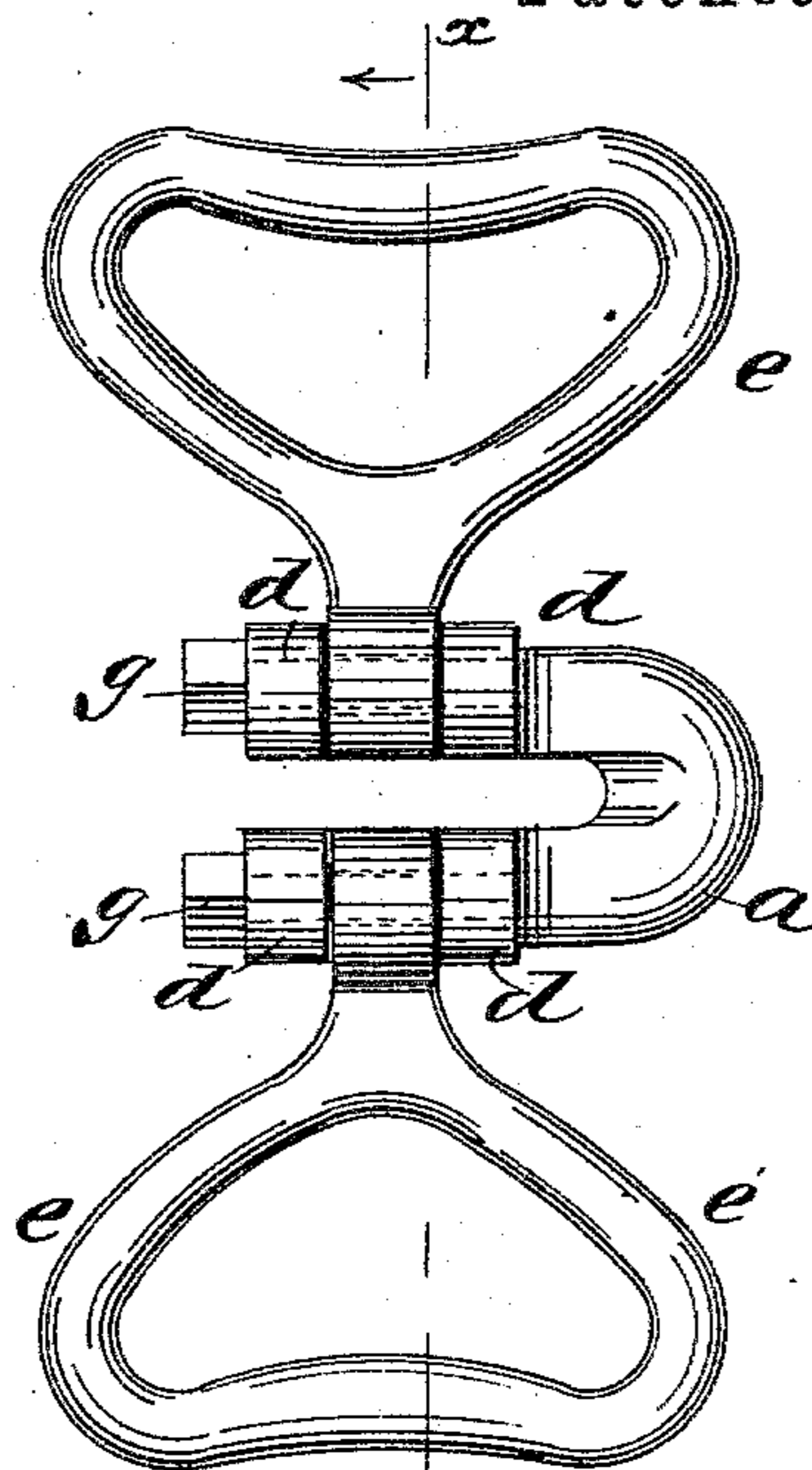


Fig. 2.

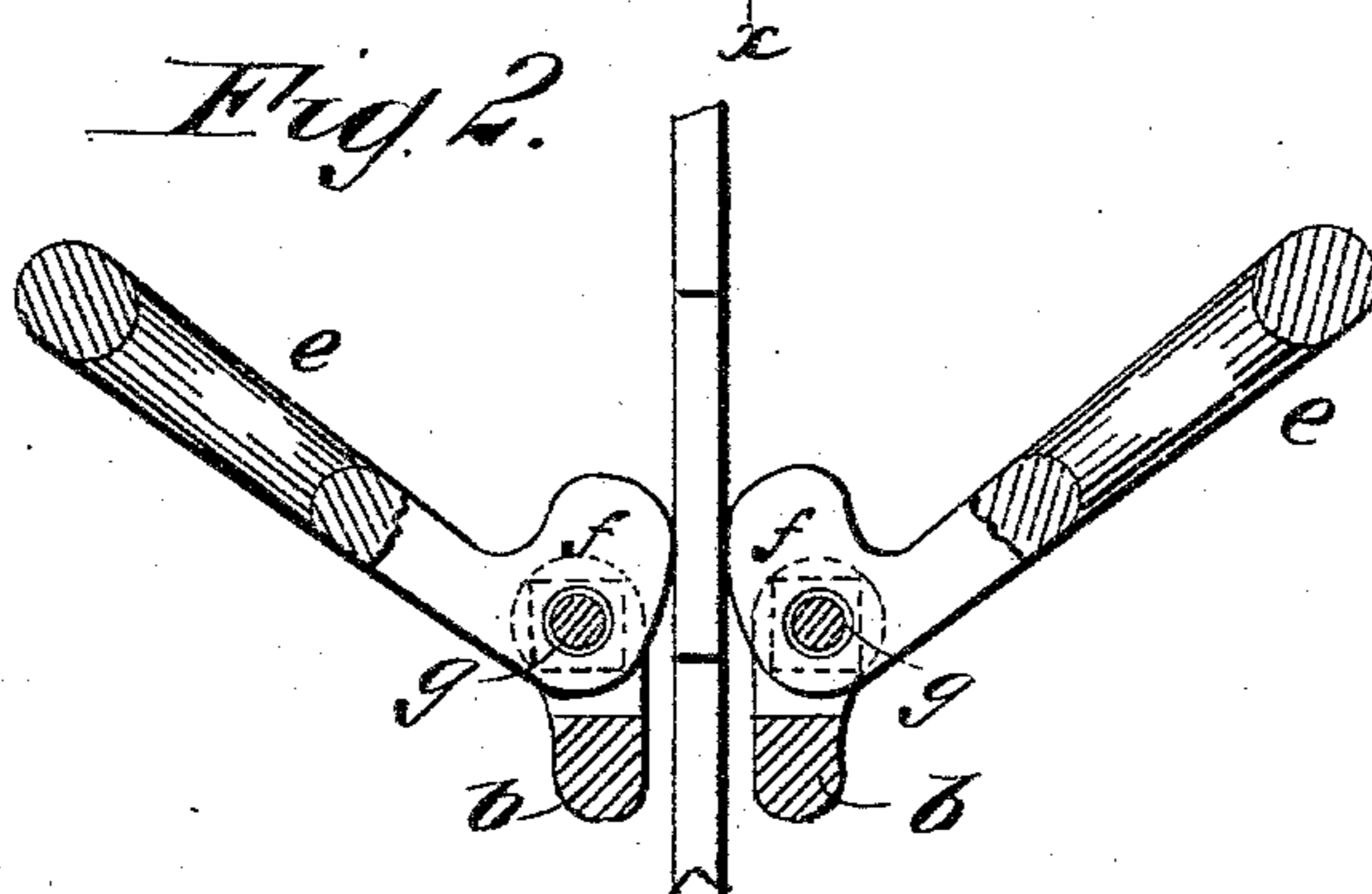
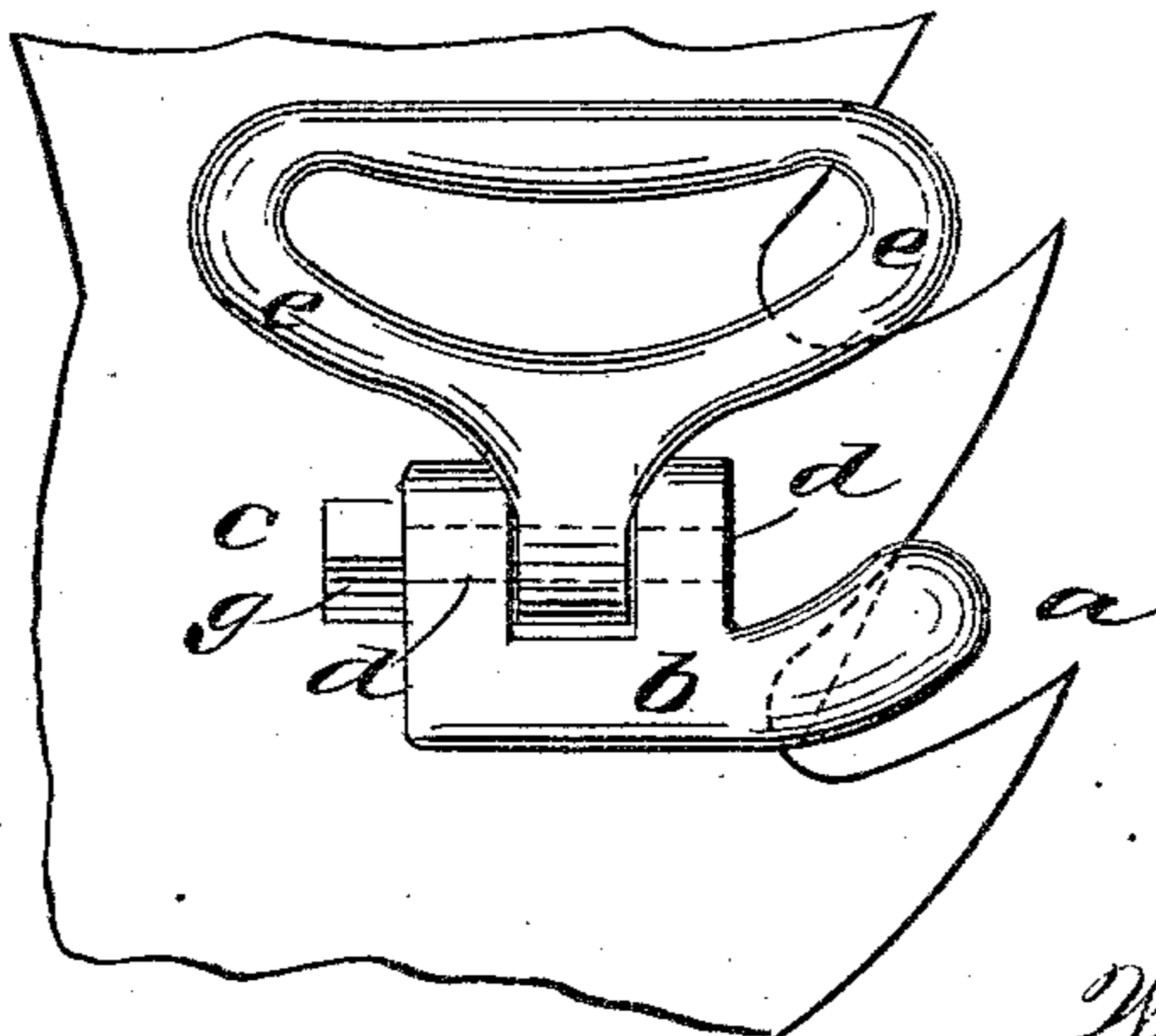


Fig. 3.



WITNESSES:

J. M. Ardle.
C. Sedgwick

INVENTOR:

W. G. Baumgardner
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM G. BAUMGARDNER, OF FILER CITY, MICHIGAN.

CIRCULAR-SAW LIFTER.

SPECIFICATION forming part of Letters Patent No. 305,883, dated September 30, 1884.

Application filed May 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM G. BAUMGARDNER, of Filer City, in the county of Manistee and State of Michigan, have invented a new and Improved Circular-Saw Lifter, of which the following is a full, clear, and exact description.

My invention consists of a yoke having a handle pivoted on each of its parallel bars, which has a cam-lug on one side of the pivot, adapting the two handles to form gripping-jaws, between which the toothed edge of the saw may be inserted, so as to be gripped and held securely by the leverage of the handles and friction of the jaws for a simple and convenient means of lifting and handling circular saws, as hereinafter fully described.

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

Figure 1 is a plan view of my improved circular-saw lifter. Fig. 2 is a transverse section on the line *x x* of Fig. 1, with the saw-plate between the jaws, and Fig. 3 is a side elevation of the lifter and a portion of the saw-plate.

I make a strong yoke, *a*, with parallel bars *b*, a little wider apart than the thickness of a saw-plate, *c*, and having lugs *d* on the upper side, between which I pivot handles *e*, having cam-lugs *f* eccentric to the pivot-bolts *g*, and being suitably turned upward with relation to the handles and the yoke to grip the saw-plate between them when the holder is held up by the handles, so as to hold the saw by the friction of the grip of the jaw-lugs, as is clearly

shown in Fig. 2, the grip of the lugs being caused by the weight of the saw and the leverage of the handles. The handles will preferably be constructed in the loop-form herein represented; but they may of course be made in any other approved form, and both the handles and the yoke *a* will be made of forged iron or of malleable iron, when required, for strength.

It will be seen that this simple saw-lifter will afford a ready means for taking hold of a circular saw for lifting it, especially that side of the saw on which the teeth point upward, for which there is now no means in use, except to grip the toothed edge by the hands, which is dangerous, and at best cannot be very strongly held because of the points of the teeth, which prevent a strong grip.

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

1. The improved circular-saw lifter consisting of the yoke *a*, having cam-lever handles pivoted to its parallel bars *b*, and adapted to grip a saw-plate inserted between said bars of the yoke and the lever-handles, substantially as described.

2. The combination, in a circular-saw lifter, of the yoke *a*, having lugs *d* on its parallel bars *b*, and the lever-handles *e*, having cam-lugs *f*, and being pivoted between the lugs *d* of said bars, substantially as described.

WILLIAM G. BAUMGARDNER.

Witnesses:

FRED. B. BALDWIN,
CYRUS HAWLEY.