(Model.)

I. M. McKAY.

PRUNING SHEARS.

No. 326,314. Patented Sept. 15, 1885.

Fig. 1.

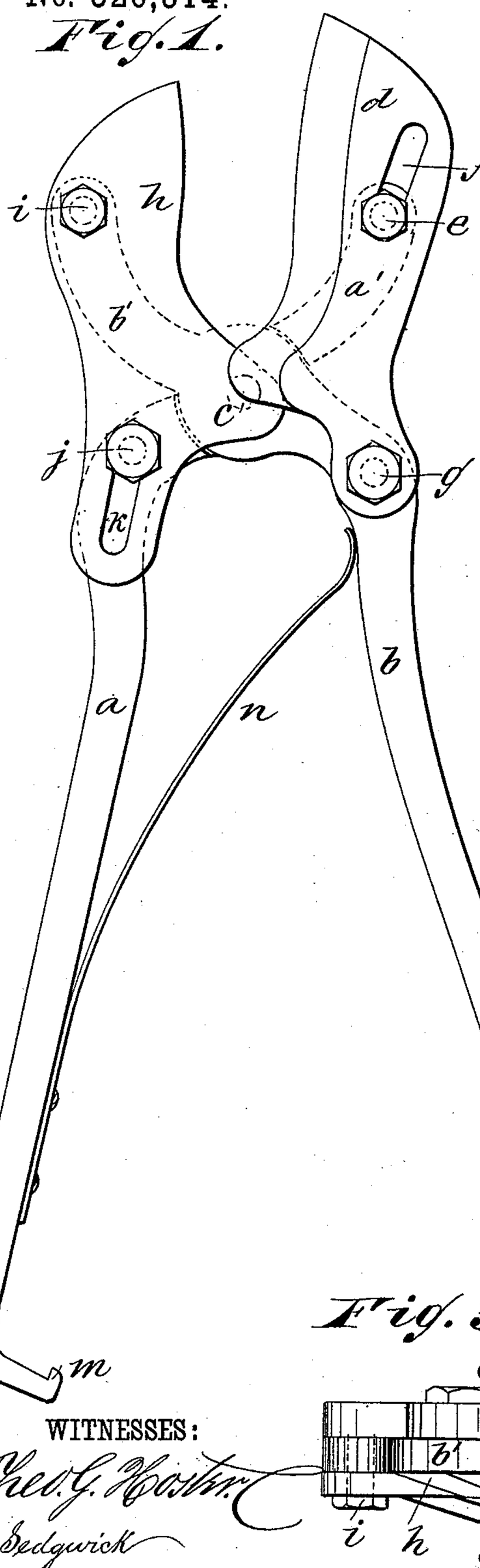


Fig. 2.

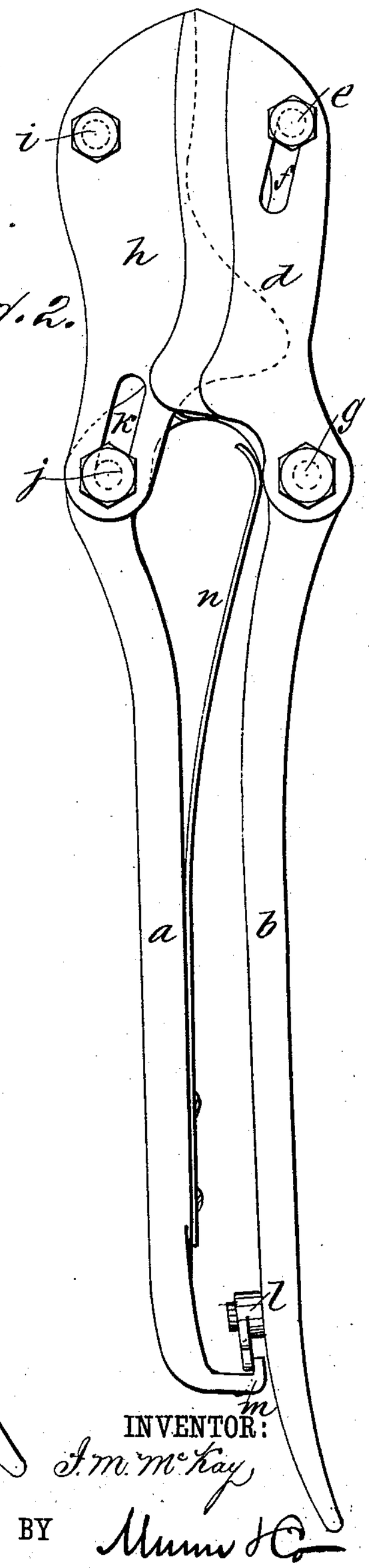
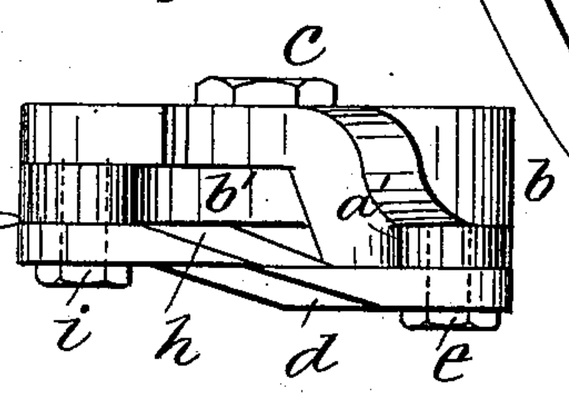


Fig. 3.



WITNESSES:

Thos. G. Hoskin

C. Sedgwick

INVENTOR:

I. M. McKay

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ISAAC M. McKAY, OF POMONA, CALIFORNIA.

PRUNING-SHEARS.

SPECIFICATION forming part of Letters Patent No. 326,314, dated September 15, 1885.

Application filed June 1, 1883. Renewed June 23, 1885. (Model.)

To all whom it may concern:

Be it known that I, ISAAC M. McKAY, of Pomona, county of Los Angeles, California, have invented a new and Improved Pruning-Shears, of which the following is a full, clear, and exact description.

My invention consists of a pair of levers which have an arm extending beyond the pivot-joint, and blades attached to said levers and arms in such manner that the blades draw in opposite directions when they close to shear cut more effectually than other shear-cutting shears, as hereinafter fully 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 plan view of my improved shears in the open position. Fig. 2 is a plan of the same when closed, and Fig. 3 is an end elevation of the shears when closed.

The levers *a b* are pivoted together at *c*, and have extension-arms *a' b'*, (dotted Fig. 1,) said levers crossing each other at the pivot.

The blade *d* is attached to the end of arm *a'* of lever *a* by a bolt, *e*, along which it slides, its hole *f* for said bolt being slotted. Said blade is also attached to lever *b* back of the pivot *c* by a pivot-bolt, *g*, which has no sliding motion, so that when the levers are closed the blade *d* will draw back on pivot *e*. The blade *h* is pivoted by bolt *i* positively to the end of arm *b'*, and is also pivoted to lever *a* back of pivot *c* by bolt *j* in slot *k*, allowing said blade to slide forward when the levers close, thus making the blades shift lengthwise in opposite directions, and thereby materially increasing the shearing action.

At *l*, I have arranged a button on the inside of lever *b*, to turn under hook *m* on lever *a*, to lock the levers closed, when desired to do so, and prevent the spring *n* from opening them.

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

Shear-levers *a b*, having extension-arms *a' b'*, blade *d*, pivoted positively to lever *b* back of pivot *c*, and also pivoted movably to end of arm *a'*, and blade *h*, pivoted positively to end of arm *b'*, and also pivoted movably to lever *a* back of pivot *c*, whereby said blades have reverse shear motion, substantially as described.

ISAAC M. McKAY.

Witnesses:
J. E. McCOMAS,
W. D. SMITH.