

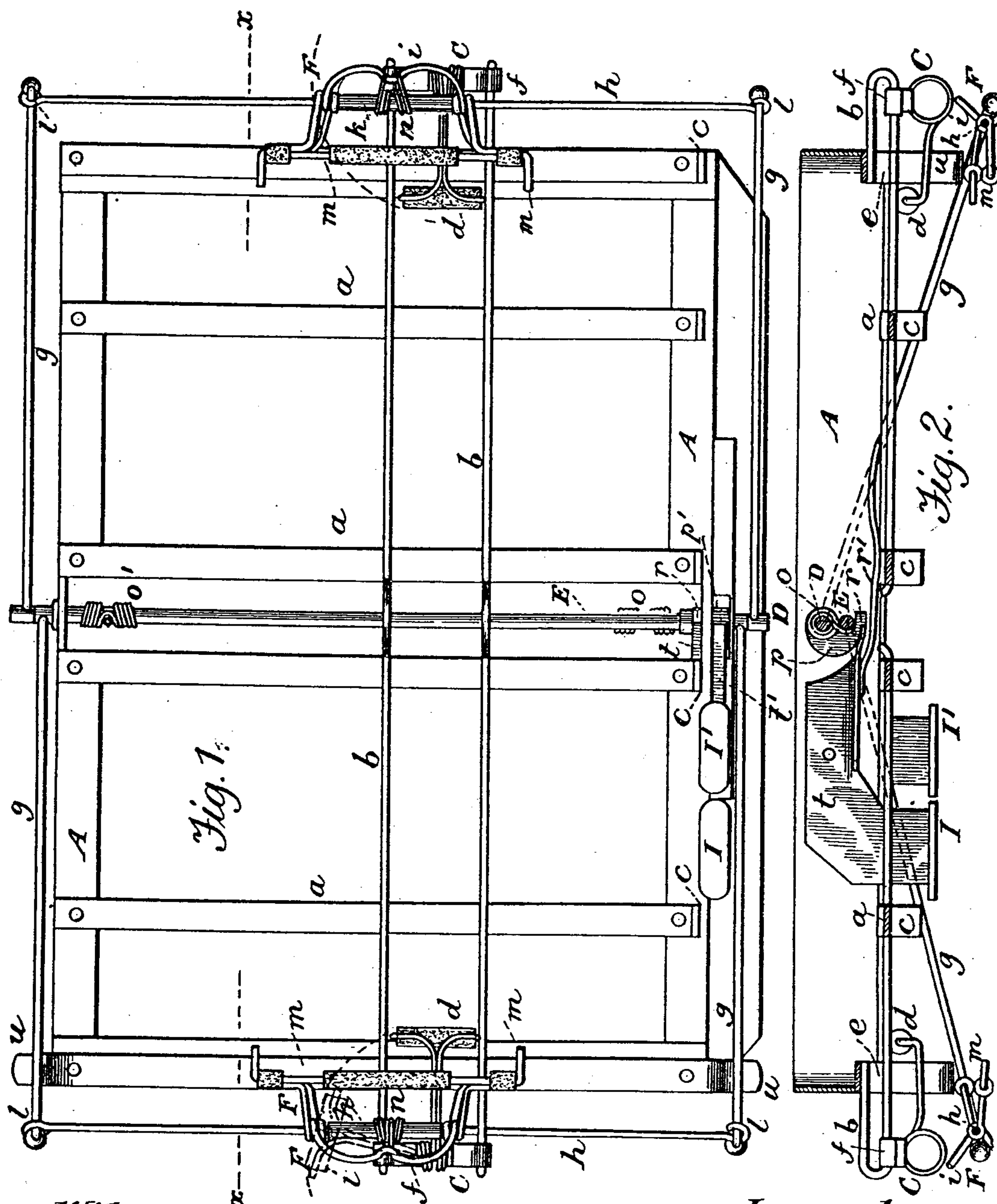
(No Model.)

2 Sheets—Sheet 1.

T. F. PETIT.
MUSIC LEAF TURNER.

No. 474,458.

Patented May 10, 1892.



Witnesses.
A. Ruppert.
H. A. Daniels

Inventor:
Theodore F. Petit,
Per
Thomas P. Simpson
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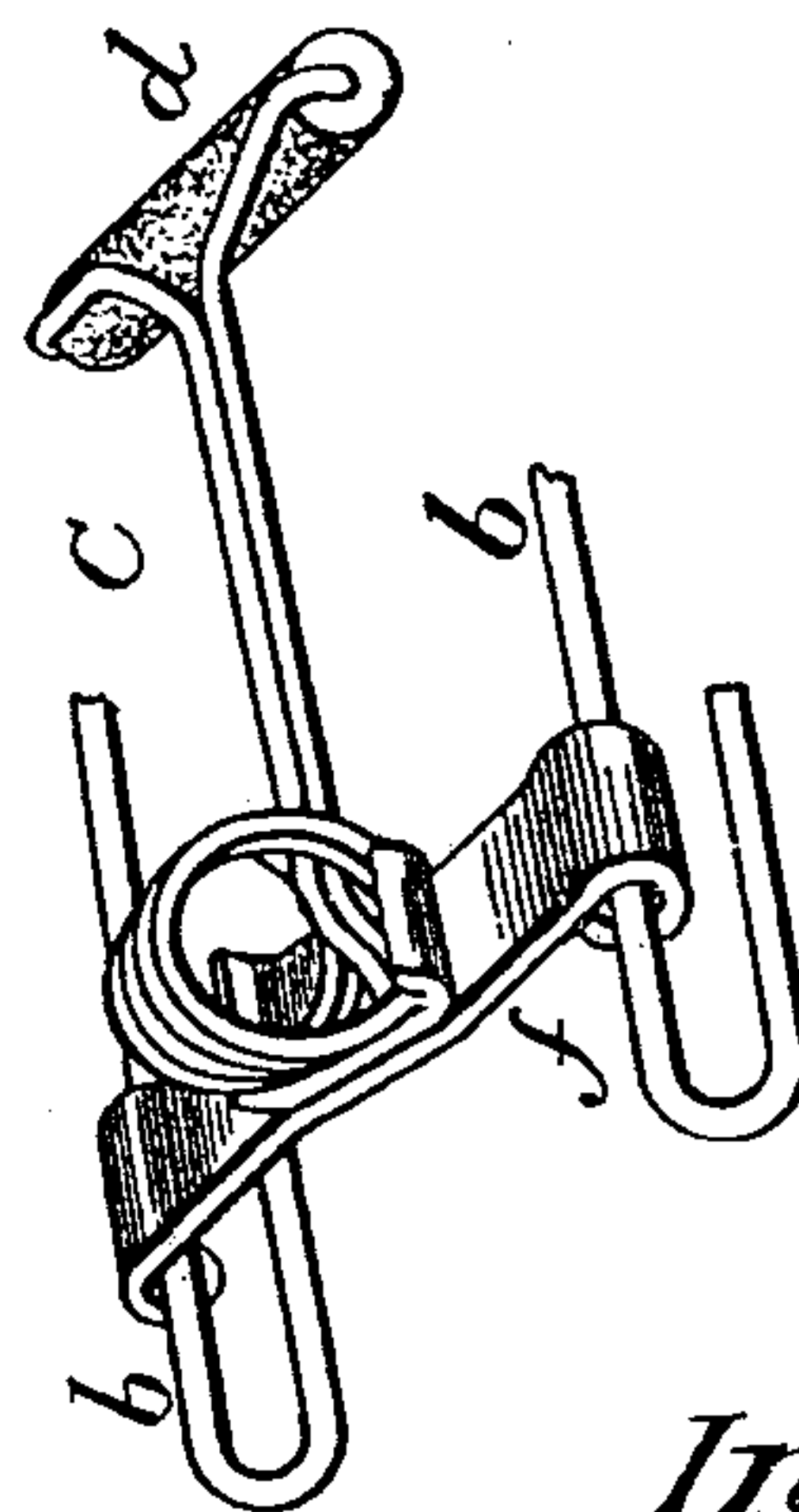
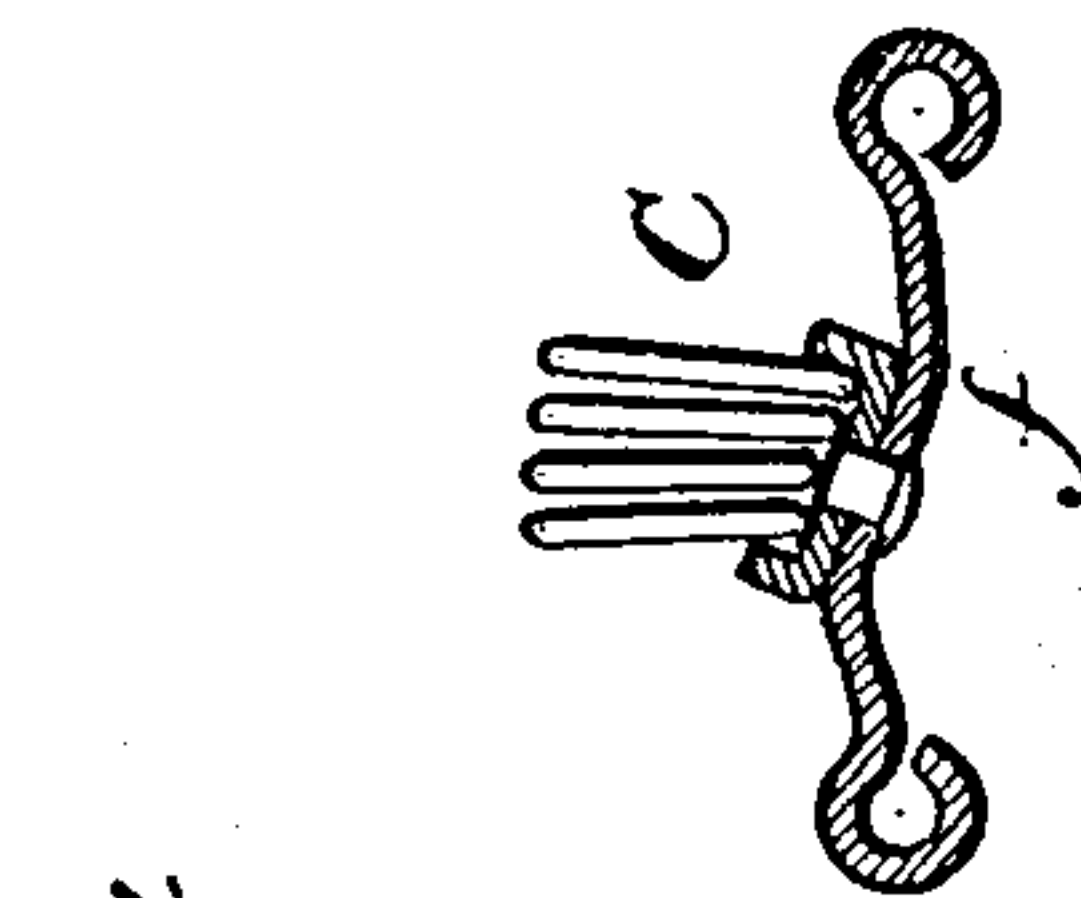
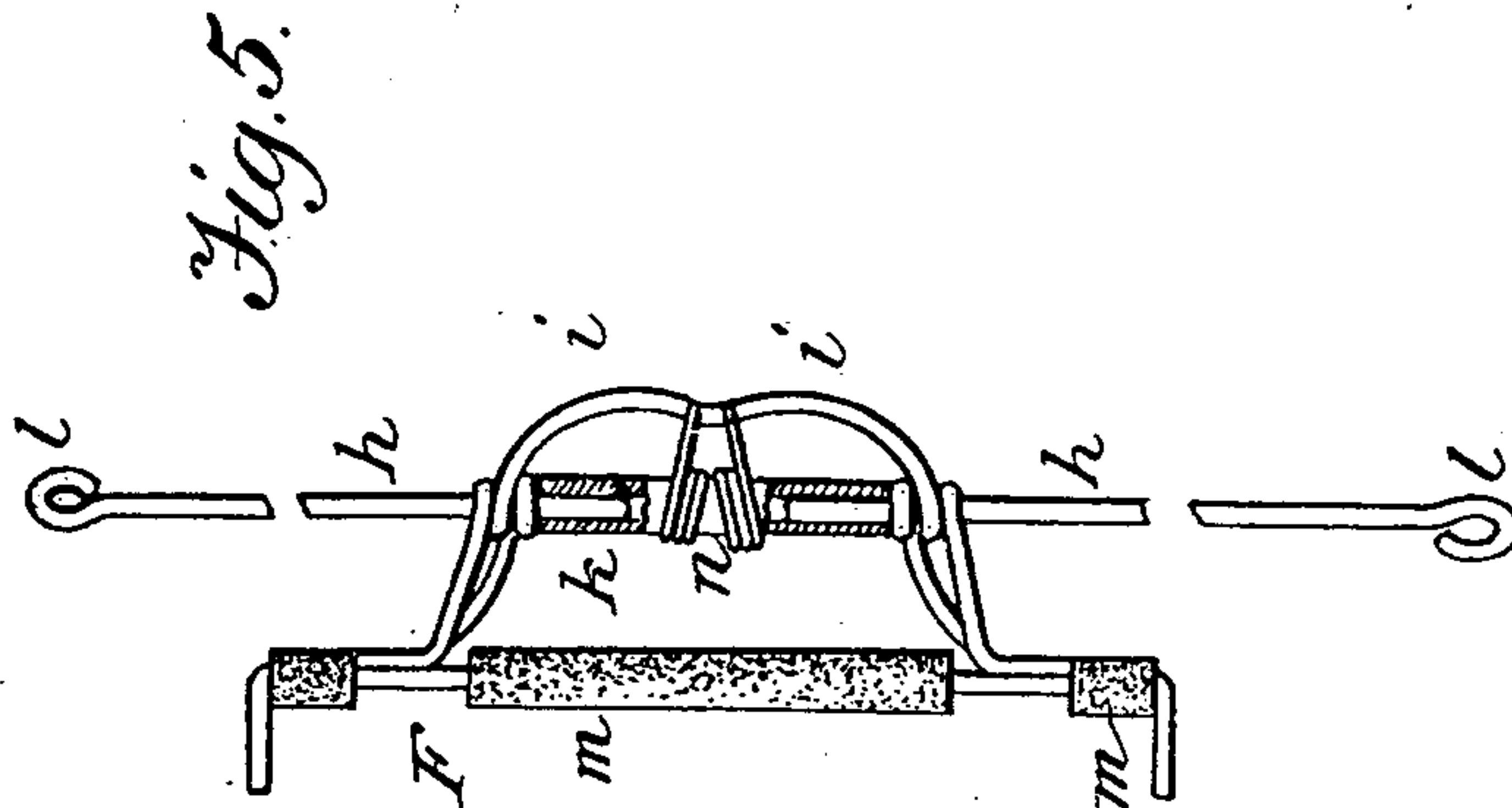
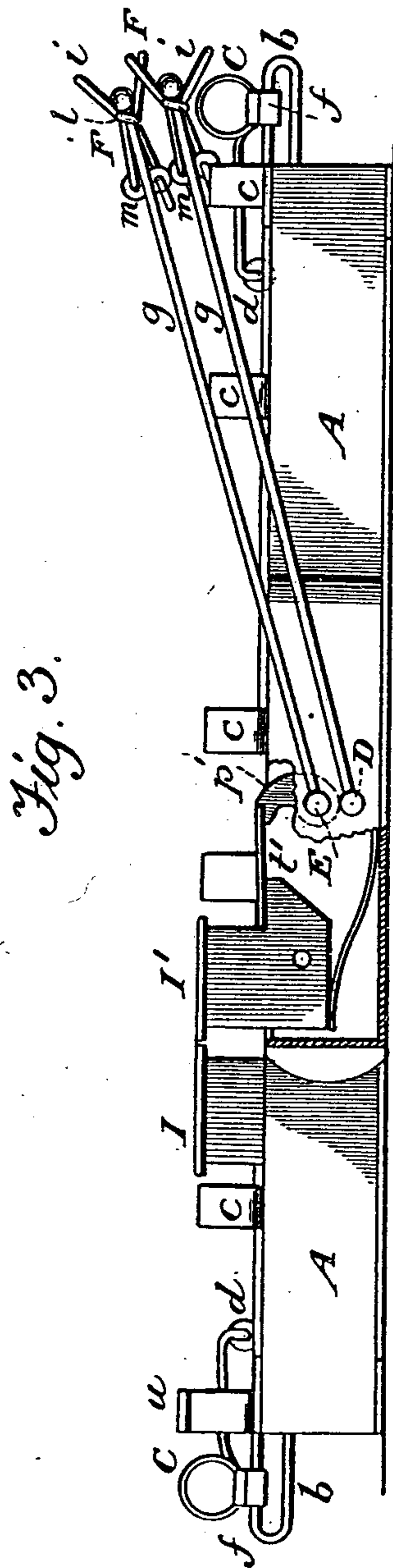
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

THEODORE FRANCIS PETIT, OF HUDSONDALE, PENNSYLVANIA.

MUSIC-LEAF TURNER.

SPECIFICATION forming part of Letters Patent No. 474,458, dated May 10, 1892.

Application filed May 14, 1891. Serial No. 392,661. (No model.)

To all whom it may concern:

Be it known that I, THEODORE FRANCIS PETIT, a citizen of the United States, residing at Hudsondale, in the county of Carbon and State of Pennsylvania, have invented certain new and useful Improvements in Music-Leaf Turners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to music-holders which are provided with devices for turning over leaves; and it consists in certain improvement in the construction of such holders, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents a plan or front view of a music-holder provided with my improvements. Fig. 2 is a section taken on line *xx* of Fig. 1. Fig. 3 illustrates the devices for turning over the leaves. Fig. 4 illustrates the clamps for holding a book open. Fig. 5 illustrates the leaf-holders.

A designates the frame, which may be made of sheet metal, said frame being rectangular and provided with bars *a*, extending from the top to the bottom, and with projections *c*, forming rests for a book or piece of music. Two parallel wires *b* are fixed to the frame and extend somewhat beyond its extremities, said wires being then bent down and turned inward and having their ends fastened to the frame, which is sunken or recessed at *e*, where the ends of the wires are fastened at each end of the frame.

On the wires *b*, at or near each end of the frame, is mounted a clamp for holding a book placed on the frame in an open position. Each of these clamps *C* is provided with a spring of coiled wire, which is extended to form an arm, which carries a bearing-piece in the form of a roll *d* of rubber. Each clamp *C* is mounted on a cross-bar *f* and has a pivotal connection therewith, the said cross-bar being loosely connected at its extremities with the wires *b*, so that the clamp may be adjusted in position along said wires, according to the size of the book to be held to the frame. Each clamp *C*, being pivotally connected with cross-bar *f*, may be turned away to release the book, as

indicated in dotted lines in Fig. 1. The cross-bar *f* is bent, as seen in Fig. 4, to form an inclined surface for connection of the clamping-arm, so that the latter bears downward more tightly as it is turned on the book.

Two shafts *D* and *E* are centrally journaled in the upper and lower bars of the frame, the shafts being adjacent to each other, as shown. To the extended journals of each of said shafts *D* and *E* are fastened the ends of two wires *g*, which extend from the shaft at right angles and are connected by a wire *h*, which is made in two sections, which are loosely connected by a ferrule *k*, into which the inward ends of said sections are inserted, the outward ends of the sections being provided with eyes *l*, through which the wires *g* are passed.

A leaf-holder *F* is mounted on each of the wires *h*, said holder being formed chiefly of bent wire. To form the holder *F*, two pieces of wire are bent to form finger-pieces *i*, then wound on wire *h*, and fastened thereto at the extremities of the ferrule *k*, each piece of wire being fastened to a separate section of wire *h* and tending to turn or rotate such section in a direction opposite to that of the other section. The said two pieces are then extended forward to form the jaws *m*, which are provided with coverings of rubber, and a spring *n* is connected with the ferrule *k* and with the finger-pieces and serves to hold the latter apart and keep the jaws closed. By this construction of the leaf-holder *F* and wire *h* when the jaws *m* are closed the sections of wire *h* are clamped to wires *g* by the eyes *l*, and when the finger-pieces are pressed together to open jaws *m* the sections of wire *h* are slightly rotated in opposite directions and released, so that wire *h*, with the leaf-holder, may be moved on the wires *g*.

Two leaf-turning devices are shown connected severally with shafts *D* and *E* and formed of wires *g* and *h*, the latter carrying leaf-holders *F*, the said devices being operated by the following-described mechanism: The shaft *D* has rigidly attached thereto, near one end, a cam or bent arm *p*, having a shoulder *r*, and a spring-catch *t* is pivoted in position to connect with said shoulder when the shaft *D* is turned a certain distance to the right, the arm *p* bearing against the spring-catch *t*.

A finger-piece I is connected with the catch *t*, whereby the latter may be drawn away from the arm on cam *p*. The catch *t* has a projecting end, which is held by a spring *r'* against the cam, so that pressure on the finger-piece I will be required to overcome the power of the spring before the catch will cease to hold the cam. A spring *o* is coiled on the shaft D, the ends of the spring bearing against the adjacent shaft E and said spring being so constructed and attached that when the cam *p* is released from the catch *t* the shaft will be partially rotated from right to left by the action of the spring *o*. When the operator desires to turn a leaf over from right to left by means of the shaft D and its connections, he presses the finger-piece I and thus raises the catch *t* from the cam *p*, and the shaft D is immediately turned by the action of the spring *o*, so that the leaf-turner connected with said shaft is swung over from the right to the left, taking the leaf with it. The shaft E is also provided with a shouldered cam *p'* and a spring *o'*, which bears against shaft D, a pivoted catch *t'* and finger-piece I' being provided, by which the shaft may be detained and released, and another leaf-turning device may be operated in like manner. As the leaf-turning devices are swung over from right to left they rest on the stops *u* on the frame A.

I claim—

1. The combination, with a frame, of two parallel wires *b*, secured thereto, and two spring-clamps pivotally mounted on cross-bars, the ends of which are loosely connected with said parallel wires, each of said cross-bars being provided with an inclined surface, so that the clamping-arm becomes tightened

as it is turned on a book placed on the frame, substantially as set forth and described. 40

2. The combination, with a frame, of two parallel shafts journaled therein, leaf-turners formed of wires connected with said shafts and movable therewith, springs connected severally with said shafts and adapted to partially rotate the same, spring-catches in position to act as detents for said shafts, and finger-pieces connected with said catches, whereby said shafts may be released, substantially as set forth and described. 50

3. The combination, with the frame, of the shafts D and E, provided with springs *o o'* and shouldered cams *p p'*, spring-catches *t t'* in position to connect with said cams, finger-pieces connected with said catches, wires *g*, extending from said shafts, wires *h*, connected with wires *g*, and spring-clamps carried by wires *h*, substantially as and for the purposes described. 55

4. The combination, with a frame and a shaft journaled therein, of two wires extending from said shaft, a wire *h*, made in two sections, which are loosely connected by a ferule and are provided with eyes *l*, a leaf-holder having two pieces of wire, each of which is bent to form a finger-piece, wound on and attached to one of said sections, and extended forward and provided with a jaw, and a spring constructed to keep the jaws closed, substantially as and for the purposes described. 65

In testimony whereof I have affixed my signature in presence of two witnesses. 70

THEODORE FRANCIS PETTIT.

Witnesses:

PATRICK LAWLER,
J. S. FISHER.