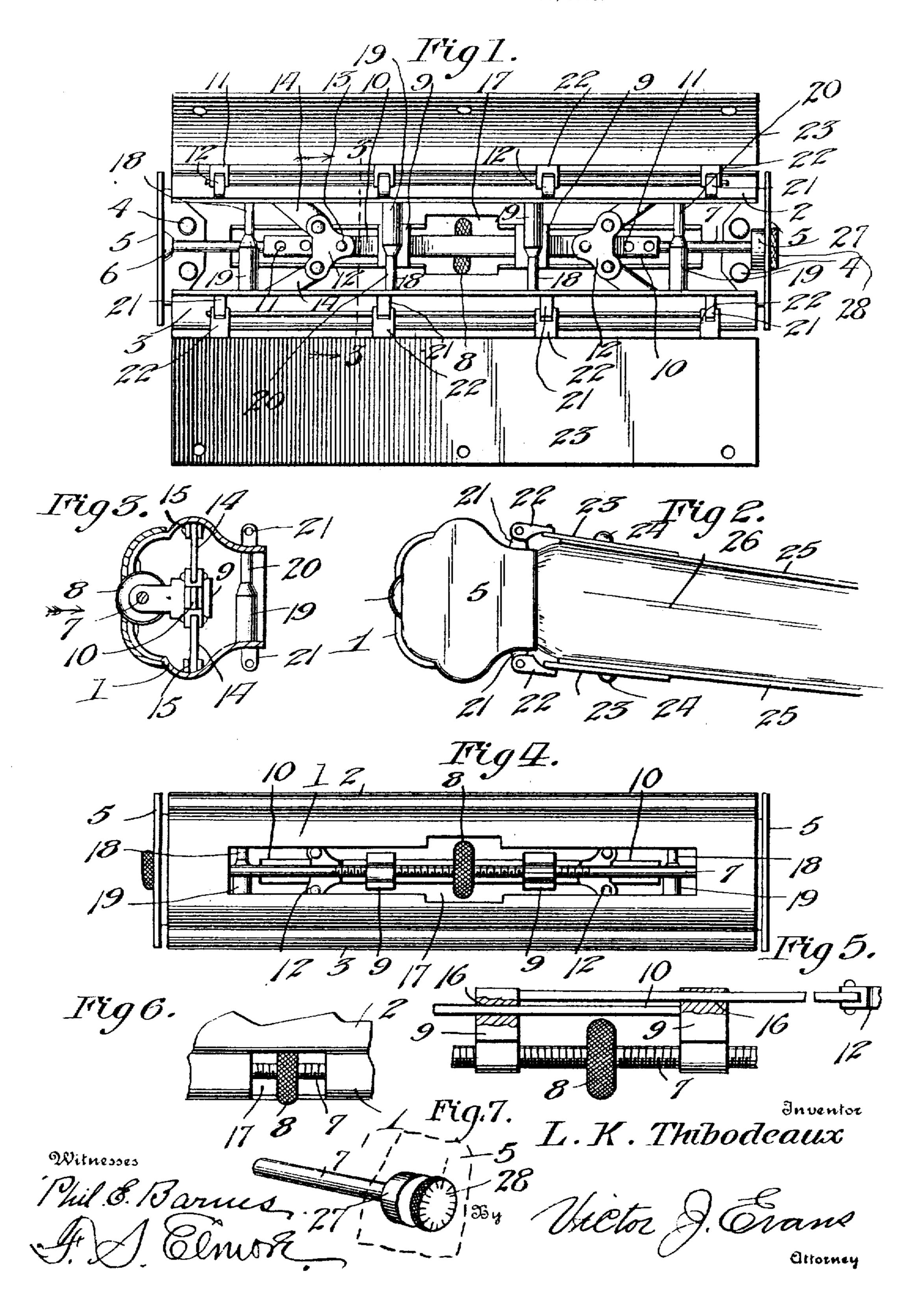
L. K. THIBODEAUX. LOOSE LEAF BINDER. APPLICATION FILED MAR. 15, 1905.



UNITED STATES PATENT OFFICE.

LOUIS K. THIBODEAUX, OF NEW ORLEANS, LOUISIANA.

LOOSE-LEAF BINDER.

No. 808,492.

Specification of Letters Patent.

Patented Dec. 26, 1905.

Application filed March 15, 1906. Berial No. 250,254.

To all whom it may concern:

a citizen of the United States, residing at New | threaded portions disposed, respectively, on Orleans, in the parish of Orleans and State of | opposite sides of the head 8. Arranged upon 60 5 Louisiana, have invented new and useful Im- and for relatively reverse movement longitu-

the following is a specification.

releasing the leaves.

locked, thus to prevent removal of the leaves from the binder.

invention comprises the novel features of construction and combination of parts more

fully hereinafter described.

In the accompanying drawings, Figure 1 is 35 a front elevation of a binder embodying the invention. Fig. 2 is an end view of the same. showing the leaves secured in place. Fig. 3 is a section taken on the line 3 3 of Fig. 1 with the leaf-engaging members in clamping 4c position and the cover-engaging plates omitted. Fig. 4 is a rear elevation of the device viewed in the direction of the arrow in Fig. 3. Fig. 5 is a detail plan view of the tensioning devices and operating-screw. Fig. 6 is a de-45 tail view of the central portion of the operating-screw and adjacent parts. Fig. 7 is a detail perspective view illustrating conventionally the means for locking the operating- hinges 22, metal plates 23, designed to be sescrew against rotation.

that the binder comprises, essentially, a back 26, secured within the binder. section 1 and side clamping members or sec- | Carried at one end of the back section 1 tions 2 and 3, there being attached to the and suitably secured to the adjacent end back 1, preferably by means of rivets 4, end | member 5 is a lock-casing 27, containing any 110 55 members or sections 5, equipped with bear- appropriate locking mechanism (not shown) ings 6 for an operating member or screw 7, designed for locking the screw 7 against

provided at its longitudinal center with a Be it known that I, Louis K. Thibodeaux, | milled head 8 and having right and left hand provements in Loose-Leaf Binders, of which | dinally of the screw-shaft 7 is a pair of blocks or sleeves 9, disposed, respectively, on oppo-This invention relates to loose-leaf binders, site sides of the head 8 and each provided and has for its objects to produce a compara- with a fixed arm or extension 10, having a 65 to tively simple inexpensive device of this char- series of longitudinally-spaced perforations acter in which the leaves will be securely [11. Arranged upon and for adjustment lonclamped within the binder one wherein the gitudinally of each of the arms 10 is a couplatter may be initially adjusted to vary its ling member or head 12, adapted to be fixed leaf-holding capacity, and one wherein the in place by means of a fastening member 13, 70 15 clamping portions of the binder may be entered through one of the perforations 11, readily and positively moved for holding or there being pivoted to each of the coupling members the inner ends of a pair of oppo-Further objects of the invention are to pro-sitely-extended connecting elements or links vide a device of the type described in which 14, in turn pivotally engaged at their outer 75 20 the tension members employed for actuating lends, as at 15, respectively, with the clampthe binder-clamp will have uniform and si- ing members 2 and 3. It is to be noted in multaneous movement imparted thereto, this connection that the arm 10 of each block thus effecting a uniform clamping action extends through a guide-opening 16 in the upon the leaves, one wherein the latter will other block, as seen clearly in Fig. 5, whereby 80 25 be maintained in perfect alinement, and one the blocks are mutually supporting and the in which the operating member employed arms present a double guide which insures for actuating the tension devices may be smooth even movement of the blocks upon the screw, and, further, that through the adjustability of the coupling members 13 upon 85 With these and other objects in view the the arms an initial adjustment of the clamping members 2 and 3 toward and from each other for varying the holding capacity of the binder may be obtained.

Formed in the section 1 is an opening 17, 90 through which the head 8 is exposed, thus to permit of its being readily engaged for operating the screw-shaft 7, while arranged at longitudinally-spaced intervals in the front portion of the hinder is a plurality of leaf-center- 95 ing members or posts 18, each consisting of a tubular member 19, carried by one of the sections 2 or 3, and a solid member 20, carried by the other of said sections and designed to telescope with the tubular member 19, there 100 being fixed upon the outer faces of the sections 2 and 3 rigid perforated ears 21, to which are pivotally connected, by means of cured by rivets 24 with the side boards 25, 105 Referring to the drawings, it will be seen which, as usual, serve to protect the leaves

the screw and when turned in the other di- | of the invention.

In practice an initial adjustment of the what is claimed as new isclamping members 2 and 3 toward and from ! 1. In a device of the class described, a each other is attained by adjusting the coup- | binder comprising a pair of clamping memling members 12 longitudinally of the arms | bers, an operating-screw rotatively sustained to 10, as heretofore explained, thus to obtain within the binder, blocks or sleeves in threadthe desired capacity of the binder. The parts | ed engagement with and movable reversely 55 having been thus properly arranged, the by the screw, arms carried by the blocks, and leaves are recessed at appropriate points to coupling members adjustable upon the arms fit the centering-posts 18 and are then en- ; and operatively connected with the clamping 15 tered between the clamping members 2 and 3 members. 20 in position, it being apparent that as the upon and operable by the serew, arms car-25 devices for drawing the clamping members members, and operative connections between the direction of rotation of the screw, the bers. sleeves 9 being guided in their movements by the arms 10, as heretofore explained. After 30 the clamping members have been properly adjusted for clamping the leaves the operating member or screw 7 may be fixed against further movement through the medium of the locking mechanism 27-28, thus to prevent 35 unauthorized removal of the leaves from the binder.

From the foregoing it is apparent that I produce a comparatively simple inexpensive device which in practice will admirably per-40 form its functions to the attainment of the ends in view, one wherein the leaves will be securely clamped in place and one in which the clamping members will be positively operated for releasing the leaves, it being under-

movement and operable through the medium | stood that in attaining these ends minor 45 of a rotary head 28, which when turned in | changes in the details herein set forth may be one direction causes the mechanism to lock resorted to without departing from the spirit

5 rection to release the screw. | Having thus fully described the invention,

which are actuated through the medium of 2. In a device of the class described, a 60 the operating-screw and the tensioning de-binder comprising a pair of clamping memvices, comprising the coupler members 12 bers, an operating-screw rotatively sustained and links 14, for securely clamping the leaves within the binder, movable heads threaded screw is rotated the leaves 9 will be acted ried respectively by the heads and extended 65 upon, respectively, by the right and left hand in relatively reverse directions, coupling threads, thus to cause them to travel toward members adjustable upon the arms for oband from each other and actuate the tension taining an initial adjustment of the clamping together or forcing them apart, according to the coupling members and clamping mem- 70

> 3. In a device of the class described, a binder comprising a pair of clamping members, an operating-screw rotatively sustained within the binder, blocks or sleeves in thread- 75 ed engagement with and movable reversely by the screw, said blocks being provided with guide-openings, arms carried by the blocks. the arm on each block being movably extended through the guide-opening in the 80 other block, and operative connections between the arms and clamping members.

In testimony whereof I affix my signature

in presence of two witnesses.

LOUIS K. THIBODEAUX.

Witnesses:

GEO. LABARRE, P. F. Brinkmann.