

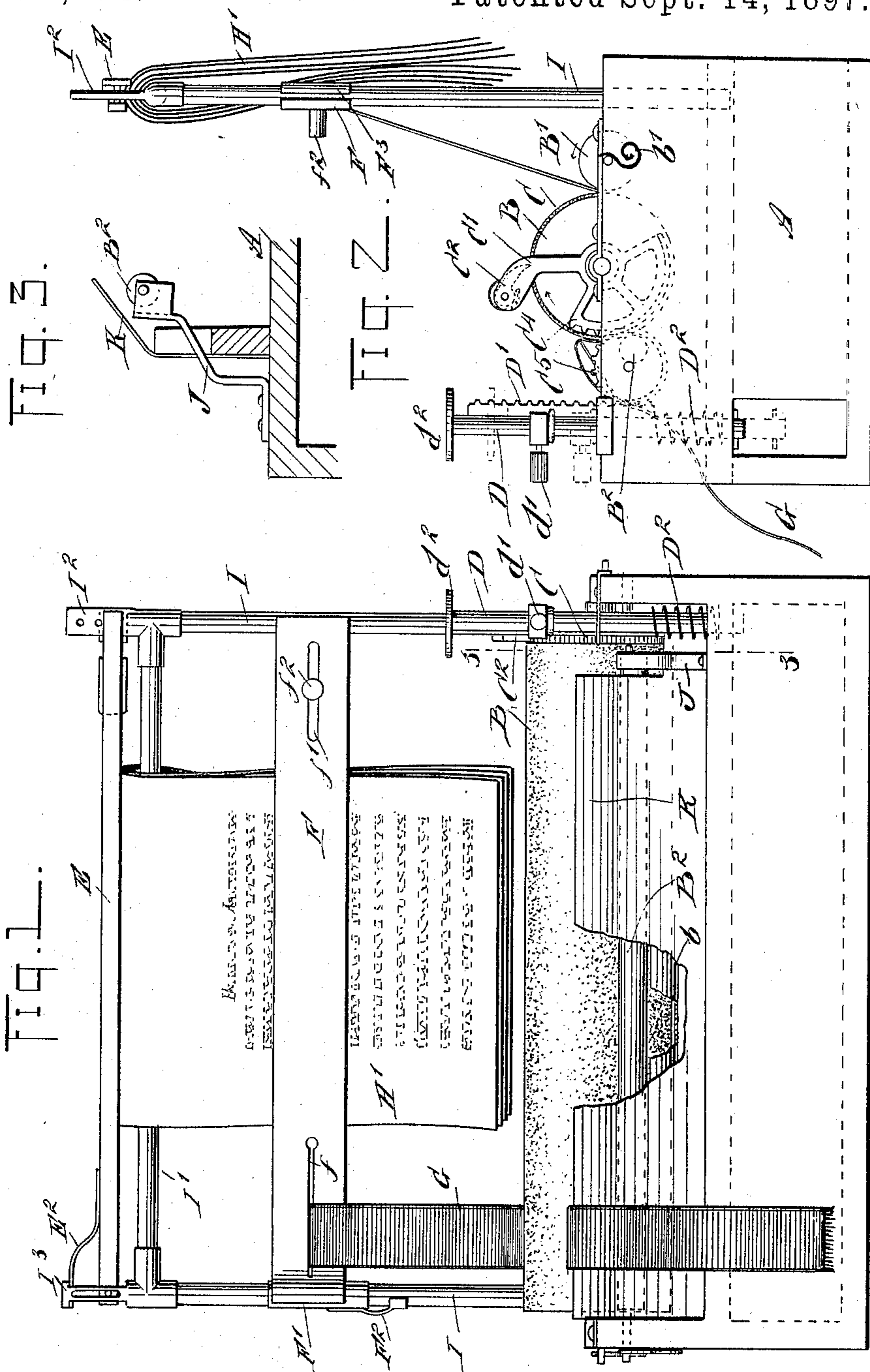
(No Model.)

2 Sheets—Sheet 1.

F. JONES.
COPY HOLDER.

No. 590,104.

Patented Sept. 14, 1897.



WITNESSES:

H. Kellyer.
H. L. Reynolds.

INVENTOR

F. Jones

BY

M. W. Jones

ATTORNEYS.

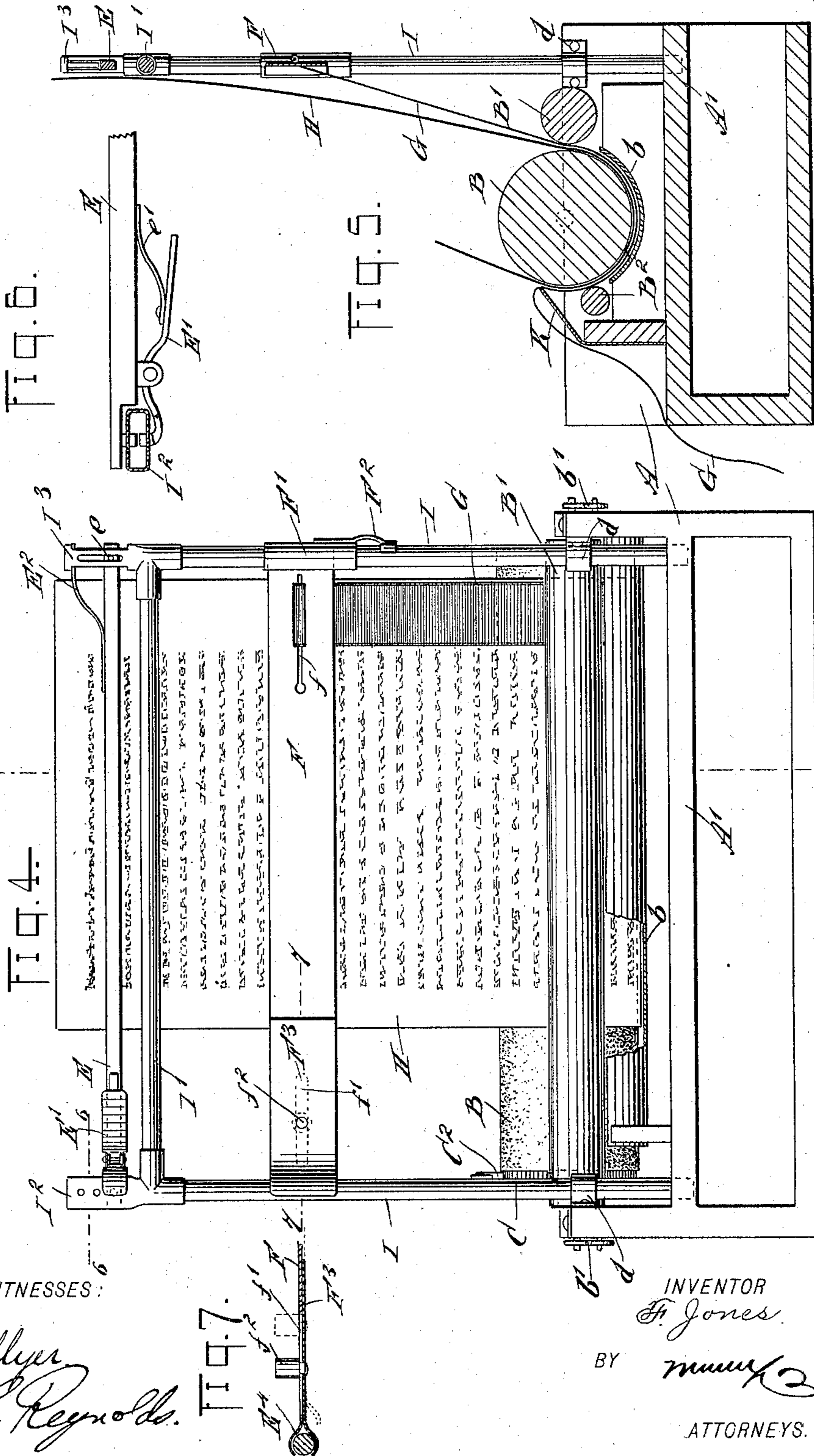
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2 Sheets—Sheet 2.

F. JONES.
COPY HOLDER.

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WITNESSES:

H. Keller
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FIG. 7.

INVENTOR

F. Jones.

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Wm. H. Jones

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UNITED STATES PATENT OFFICE.

FRANK JONES, OF MARION, KANSAS.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 590,104, dated September 14, 1897.

Application filed March 18, 1897. Serial No. 628,171. (No model.)

To all whom it may concern:

Be it known that I, FRANK JONES, of Marion, in the county of Marion and State of Kansas, have invented a new and Improved Copy-Holder, of which the following is a full, clear, and exact description.

My invention relates to an improved mechanism designed for holding copy of various kinds in position so that the line being copied may be quickly and certainly found without skipping any parts or making mistakes.

It is designed to be used in connection with loose sheets of copy of any size and also with books or sheets of copy which are fastened together. This device comprises, broadly, a set of feed-rollers which are adapted to receive between them the sheet or copy when the same is a single sheet, or when the copy is a book or set of sheets fastened together they will receive between them a tape or band which is connected to a guide or rule movable over the surface of the copy. The feed-rollers are given a step-by-step advancing movement by means of a ratchet driving connection from a spring-returned rod, which is provided with a key and depressed by hand.

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

Figure 1 is a front elevation of my device shown as in use for copying from a book or set of sheets which are bound or fastened together. Fig. 2 is an end elevation of the same. Fig. 3 is a detail section on the line 3 3 in Fig. 1, showing the method of supporting one end of one of the guide-rollers. Fig. 4 is a rear elevation of my device. Fig. 5 is a section taken upon the line 5 5 of Fig. 4. Fig. 6 is a detail section on the line 6 6 in Fig. 4, showing the connection of one end of the clamping-bar E; and Fig. 7 is a detail section on the line 7 7 of Fig. 4, showing the construction of the outer or free end of the movable slide or guide bar F.

My invention is designed to be used for copying of all kinds, such as manuscript, deeds and other legal documents, newspaper-clippings, stenographers' books, and in fact all kinds of writing or printed matter, whether in books or sheets.

Upon the base A are mounted three feed-

rollers B, B', and B². The roller B is placed between the rollers B' and B² and is the feed-roller proper, the other two being simply guide-rollers which coact with the roller B to guide and feed the manuscript.

Upon the end of the roller B is placed a ratchet-wheel C, and to the same end is pivoted an arm C', which at its outer end is provided with a pawl C², adapted to engage the teeth of the ratchet-wheel. This arm C' is attached to or formed as a part of the toothed segment C⁴, which latter meshes with a wheel C⁵.

Upon the frame A and placed so that the teeth thereof will engage the teeth of the wheel C⁵ is a rack-bar D', carried by a rod D, which is mounted in guides upon the frame A, so that it will move in a vertical direction. The rod D is supported by a spiral spring D², placed about the lower end thereof, and has a key or circular head d² upon its upper end adapted to be engaged by hand for depressing the bar.

A movable stop d' is attached to the rod D and may be adjusted upon the rod so as to accurately gage the amount of its motion and the consequent feed of the paper. Stretching across the forward end of the feed-roller B is a plate K, which is used as a guide or rule for gaging the position of the line being copied.

The manuscript when it consists of a single sheet is inserted between the feed-rollers in the position shown by H in Fig. 5, this insertion being similar to the insertion of the sheet of paper in a type-writer. The lower portion of the feed-roller B is covered for a slight distance by a shield b.

The paper when inserted in the position above stated may be fed forward equal to the width of a line by simple pressure upon the key d². Fixed in eyes d upon the rear side of the frame are two vertical posts I, the lower ends of which are inserted into holes in the cross bar or plate A' of the frame. These posts are joined at their upper ends by a bar I', over which a book or a number of sheets of manuscript may be hung, so as to expose any sheet desired. The book is clamped down upon the bar I' by the clamping-bar E, which has one end fitting between the two sides of a cap I³, attached to the upper end of one of the posts I.

The bar E is provided with a pin e , which fits in slots in the sides of the cap I^3 and prevents endwise movement of the bar E. This end of the bar E is held down by a spring E^2 , which engages the upper end of the cap I^3 . The other end of the bar E is provided with a pivoted lever E' , held outward by a spring e' . The outer end of the lever E' is provided with a pin adapted to enter one of the holes in the cap or extension I^2 of the other post I. The end of the bar E may also be provided with a similar coöperative pin. This device is clearly shown in detail in Fig. 6. By this means the bar E may be held closely down upon the sheets H' of a book from which copying is to be done.

The guide or rule F is provided at one end with a sleeve F' , embracing one of the posts I. This sleeve has a spring F^2 engaging the post so as to create sufficient friction to hold the bar in place wherever left. Near this end of the bar F a narrow slot f is formed, within which is clamped one end of a tape or ribbon G. This tape or ribbon may be fastened to the bar F by any other suitable means.

When the manuscript being copied is hung upon the bar I' , the guide-bar F and the feed-strip of tape G are used, the latter being passed between the rollers, as shown in Figs. 2 and 5.

The outer end of the guide F is provided with a sliding piece F^3 , embracing the other bar I, but not so near as to create material friction. This piece F^3 is clamped to the bar F by means of a slot f' and a screw or bolt f^2 .

In using my device for copying from books or similar manuscript the book is hung over the bar I' and the bar F is placed in front of the sheet from which copying is to be done. The clamp d' is adjusted for the proper feed and the tape or band G passed between the feed-rollers. The bar F is then drawn down the proper degree by depressing the key d^2 . Single sheets may be fastened to the bar I' in the same way instead of passing them directly between the guide-rollers. My device may be used in either of these ways, the feeding mechanism being identical in each case. One end of the guide-roller B^3 is supported by means of an arm J, fixed to the table A and carrying a bearing for the guide-roller B^3 in its upper end. This is only needed because the gear-wheel C^5 occupies a position which would otherwise be occupied by the journal of the guide-roller B^3 .

The guide-rollers B' and B^2 are pressed against the feed-roller B by springs b' , located upon the outer ends of the frame or base A. My device will be found of great use in transcribing deeds and other official records, as well as for the more obvious use of stenographers and type-writers.

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

1. A copy-holder comprising two upright

posts having means for supporting the copy before the operator, an indicator having frictional sliding contact thereon and extending in front of the copy, feed-rollers mounted upon the same base as the supporting-posts, means for giving them intermittent advancing rotation, and a band engaging the feed-roller and connected to the indicator-bar, substantially as described.

2. A copy-holder, comprising two upright posts having two horizontal bars at their upper ends, between which the copy is placed and by which the copy is held, an indicator having frictional sliding contact on said posts and extending across the front of the copy, feed-rollers mounted upon the same base as the supporting-posts, means for giving them intermittent advancing rotation, and a band frictionally engaging the feed-rollers and connected to the indicator-bar, substantially as described.

3. A copy-holder, comprising two upright posts having two horizontal bars extending between said posts at the top, and between which the copy is placed and held, an indicator having frictional sliding contact on said posts and extending across the front of the copy, feed-rollers mounted upon the same base as the supporting-posts, means for giving them intermittent advancing rotation, and a band frictionally engaging the feed-rollers and connected to the indicator-bar, substantially as described.

4. A copy-holder, comprising two upright posts having means for supporting the copy before the operator, an indicator having frictional sliding contact on said posts and extending across the front of the copy, feed-rollers mounted upon the same base as the supporting-posts, a ratchet-wheel attached to one of the feed-rollers, an operating-lever for rotating the same, a depression-key connected to said lever, and a band frictionally engaging the feed-rollers and connected to the indicator-bar, substantially as described.

5. A copy-holder, comprising two upright posts having two horizontal bars supported at the top of said posts and adapted to hold the copy between them, an indicator having frictional sliding contact on said posts and extending across the front of the copy, feed-rollers mounted upon the same base as the supporting-posts, a ratchet-wheel attached to one of the rollers, a lever engaging said ratchet-wheel to return the same, a depression-key connected to said lever, and a band frictionally engaging the feed-roller and connected to the indicator-bar, substantially as described.

6. A copy-holder, comprising two upright posts having two horizontal spring-held bars connecting their upper ends, between which bars the copy is held, an indicator having frictional sliding contact on said posts and extending across the front of the copy, feed-rollers mounted upon the same base as the supporting-posts, means for giving them in-

intermittent advancing rotation, and a band frictionally engaging the feed-roller and connected to the indicator-bar, substantially as described.

5 7. A copy-holder, comprising two upright posts having means for supporting the copy before the operator, an indicator having frictional sliding contact on said posts and extending in front of the copy, feed-rollers
10 mounted upon the same base as the supporting-posts, a ratchet-wheel fixed to one of the feed-rollers, a pawl-lever actuating the ratchet-wheel and having a toothed segment attached, a rack-bar mounted to reciprocate,
15 and connections between the rack-bar and toothed segment, substantially as described.

8. A copy-holder, comprising two upright posts having two horizontal bars connecting their upper ends and adapted to receive the
20 copy between them, an indicator having a frictional sliding contact on said posts and extending across the front of the copy, feed-rollers mounted upon the same base as the supporting-posts, a ratchet-wheel fixed to one
25 of the feed-rollers, a reciprocating bar, means for connecting said bar with the ratchet-wheel to give it an intermittent advancing movement, and a band frictionally engaging the feed-roller and connected to the indicator-bar,
30 substantially as described.

9. A copy-holder, comprising two upright posts having means for supporting the copy before the operator, an indicator having a frictional sliding contact on said posts and

extending across the front of the copy, feed- 35
rollers mounted upon the same base as the supporting-posts, a ratchet-wheel fixed to one of the feed-rollers, a pawl-lever actuating the ratchet-wheel and having a toothed segment
40 attached, a rack-bar mounted to reciprocate and having a key or handle for engagement by the hand, a spring adapted to return the rack-bar, connections between the rack-bar and toothed segment, and a band frictionally
45 engaging the feed-roller and connected to the indicator-bar, substantially as described.

10. A copy-holder, comprising two upright posts having means for supporting the copy before the operator, an indicator having frictional sliding contact on said posts and extending
50 across the front of the copy, feed-rollers mounted upon the same base as the supporting-posts, a ratchet-wheel fixed to one of the feed-rollers, a pawl-lever actuating the ratchet-wheel and having a toothed segment
55 attached, a rack-bar mounted to reciprocate and having a key or handle for engagement by the hand, a spring adapted to return the rack-bar, an adjustable stop for said rack-bar, connections between the rack-bar and
60 toothed segment, and a band frictionally engaging the feed-roller and connected to the indicator-bar, substantially as described.

FRANK JONES.

Witnesses:

FRED E. DUNHAM,
A. H. OTT.