No. 688,332. Patented Dec. 10, 1901.

E. F. PITTMAN.

COPY HOLDER.

(Application filed July 30, 1901.)

(No Model.)

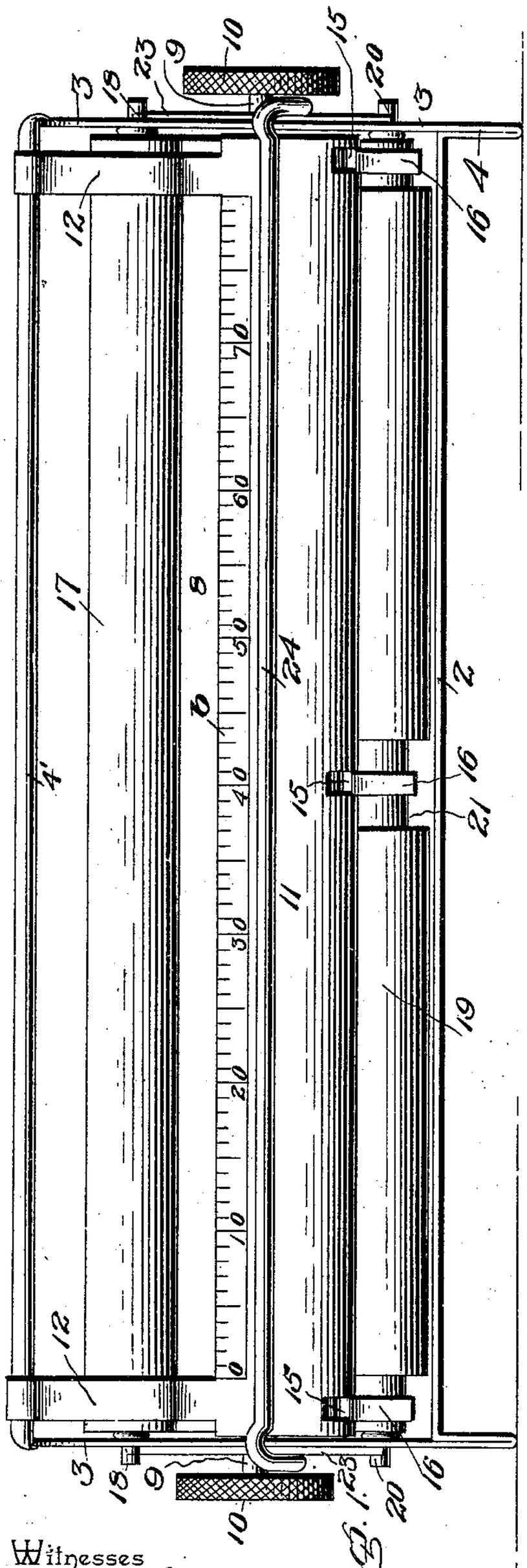

Fig. 1.

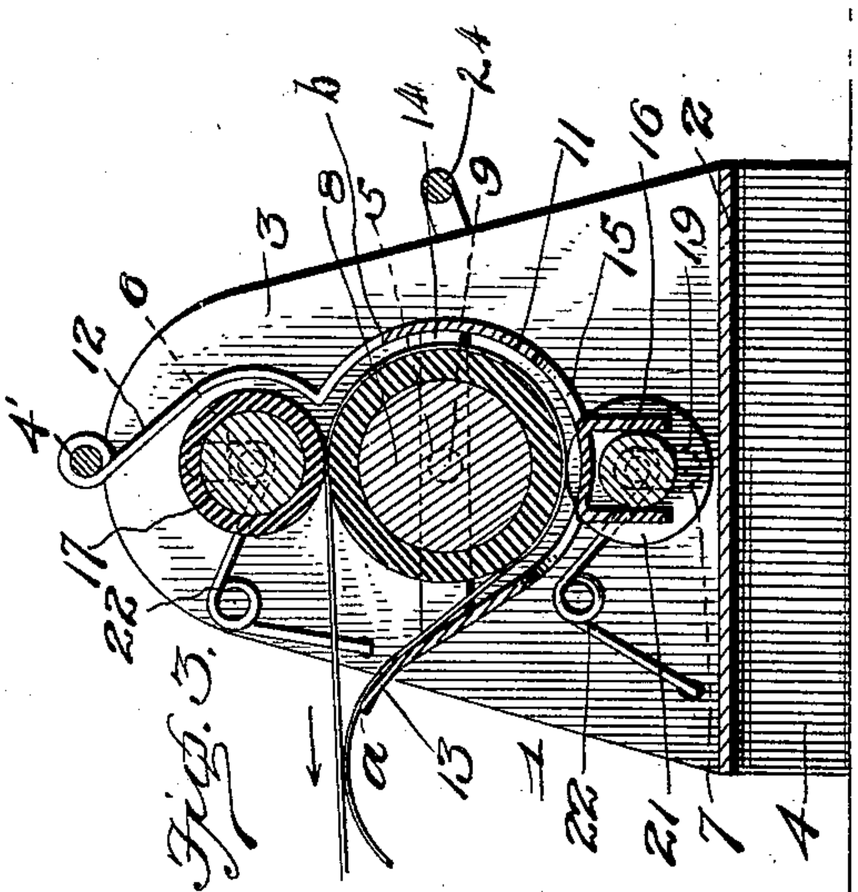

Fig. 3.

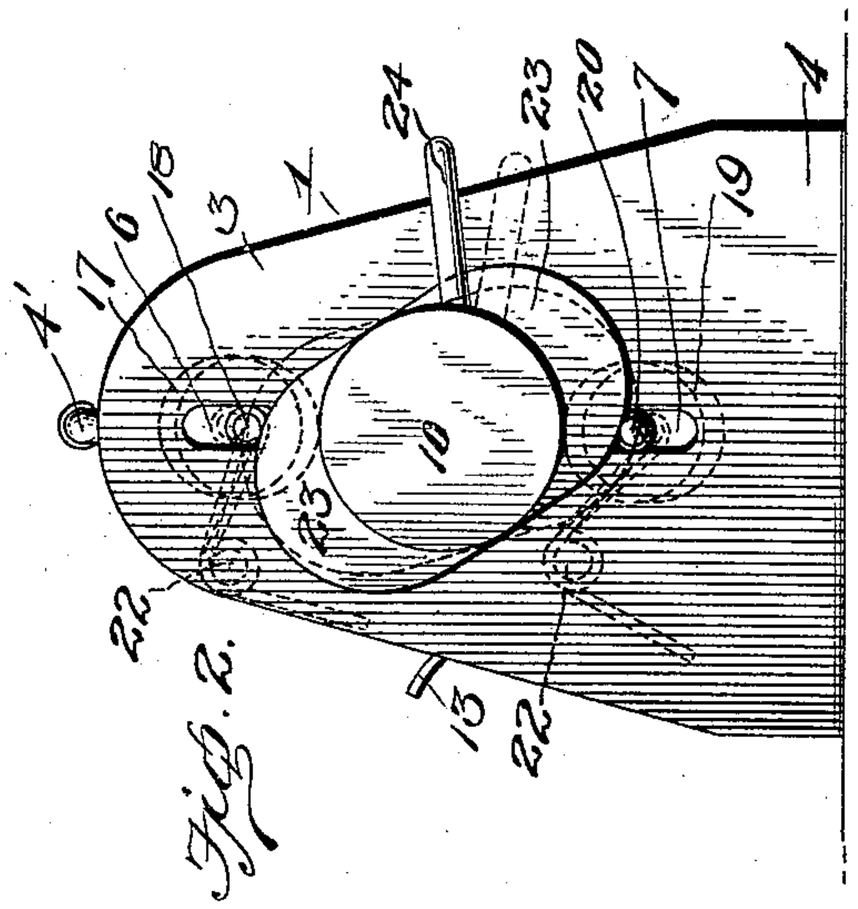

Fig. 2.

Witnesses
E. F. Stewart
J. W. Garner

Edward F. Pittman Inventor
by Church & Church
Attorneys

UNITED STATES PATENT OFFICE.

EDWARD F. PITTMAN, OF KEOSAUQUA, IOWA.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 688,332, dated December 10, 1901.

Application filed July 30, 1901. Serial No. 70,289. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. PITTMAN, a citizen of the United States, residing at Keosauqua, in the county of Van Buren and State of Iowa, have invented a new and useful Copy-Holder, of which the following is a specification.

My invention is an improved copy-holder; and it consists in the peculiar construction and combination of devices hereinafter fully set forth and claimed.

One object of my invention is to effect a novel combination of a feed-roller, presser-rollers, and means to release the presser-rollers from the feed-roller, whereby the paper may be readily adjusted between the rollers with relation to the guide.

A further object of my invention is to effect improvements in the construction of the supporting-frame.

A further object of my invention is to effect improvements in the construction of the paper-guide.

In the accompanying drawings, Figure 1 is a front elevation of a copy-holder constructed in accordance with my invention. Fig. 2 is an end elevation of the same. Fig. 3 is a vertical sectional view of the same.

The supporting-frame 1 is a single piece of sheet metal of suitable size and shape and comprises the base 2 and the end standards 3, the latter being bent upwardly from the base, as shown, and the lower sides of the said end standards and the end portions of the base being doubled to form supporting-flanges 4 at the ends of the base. The upper ends of the end standards 3 are connected together by a rod 4′.

Each of the end standards is provided at or above the center with an opening 5 and with vertical slots 6 7, which are respectively above and below said opening, said slots and said opening being in the same vertical plane. A feed-roller 8, which is covered with rubber or other suitable material, as shown, is provided at its ends with projecting spindles 9, which have their bearings in the openings 5. At the ends of the said spindles are knobs or wheels 10, the edges of which are preferably milled to enable them to be readily turned to rotate the feed-roller 8.

The copy-guide 11 is made of sheet metal, is preferably of the form here shown, and its main portion is semicylindrical in form and disposed concentrically with relation to the feed-roller 8. Formed with the said copy-guide, at the ends thereof on its upper side, are arms 12, which are bent in the form shown in the drawings and have their upper ends attached to the rods 4, preferably by bending them around the said rods, as shown in Fig. 3. On the rear side of the copy-guide is an upwardly and outwardly extending portion 13. The copy-guide is formed at its respective ends with cross-bars 14, which connect its front and rear sides together, and the said cross-bars are provided with openings through which the spindles 9 of the feed-roller 8 pass and in which said spindles also have their bearings. In the lower portion of the copy-guide are longitudinal openings 15, at the ends and between which are downturned arms 16. An upper presser-roller 17 is adapted to bear on the feed-roller 8 and is provided at its ends with spindles 18, which are disposed in the vertical slots 6. A lower presser-roller 19 has spindles 20 at its ends, which operate in the vertical slots 7, and said presser-roller 19 bears against the lower side of the feed-roller 8 and extends through the openings 15 in the copy-guide. The central portion of the said lower presser-roller, which coincides with the space in the lower side of the copy-guide between the openings 15, is of reduced diameter, as at 21, Figs. 1 and 3. Springs 22, which are attached to the end standards 3 and are preferably of the form here shown, engage the spindles of the upper and lower presser-rollers and normally cause the said presser-rollers to bear against the upper and lower sides of the feed-roller. Said presser-rollers are in practice covered with rubber or other suitable material, as here shown.

It will be understood from the foregoing that the presser-rollers are adapted to be moved outwardly from the feed-roller and are by the springs normally pressed against said feed-roller. On the spindles 9 of the feed-roller are mounted cams 23, which are of the form shown in Fig. 2 and bear against spindles of the upper and lower presser-rollers. A release-rod 24 has its ends attached to the said cams and connects the same to-

gether, the said release-rod being disposed on the front side of the copy-holder, as shown. It will be understood that by depressing this release-rod the cams 23 will be partly turned and will operate to press the presser-rollers against the tension of the springs 22 outwardly from the upper and lower sides of the feed-roller. The paper containing the copy is inserted between the copy-guide, the feed-roller, and the presser-rollers, as shown in Fig. 3, the paper being indicated at *a*, and it will be understood that the presser-rollers being effective to press the paper against the feed-roller the paper may be fed as the same is copied, so as to successively dispose the lines of the copy above the straight upper edge of the main or front portion of the copy-guide 11 by turning said feed-roller by means of one of the knobs or wheels 10. By releasing the presser-rollers from the paper and feed-roller by depressing the release-bar 24 the paper may be readily adjusted endwise with relation to the feed-roller and with relation to the straight upper edge of the main or front portion of the copy-guide, as may be required. The upper edge of the copy-guide is provided with a scale *b*, which is numbered to correspond with the scale of a type-writing machine. The arms 16, formed with the copy-guide, bear against the front and rear sides of the reduced end and central portions of the lower presser-roller, as shown in Figs. 1 and 3.

It will be observed by reference to Fig. 2 that the copy-guide is at such distance from the feed-roller as to enable a number of sheets of paper to be fed to the machine, and where the copy consists of a number of sheets fastened together it may be copied without the necessity of unfastening the sheets.

A copy-holder thus constructed is exceedingly cheap and simple, is entirely efficient, and may be used either in connection with type-written or manuscript copies and either for copying on a type-writer or in manuscript.

It will be understood that the upper presser-roller will be operative on the copy after the lower end thereof has passed from between the feed-roller and the lower presser-roller and until the lower end of the copy passes the upper edge of the copy-guide.

My improved copy-holder is especially adapted for use on book type-writers of the various forms and in operation on a book type-writer moves with the keyboard, an arrangement which greatly facilitates the work.

Having thus described my invention, I claim—

1. In a copy-holder, the combination of a frame having standards, a feed-roller having its bearings in said standards, presser-rollers, movable in bearings in said standards, toward and from said feed-roller, cams pivoted on the journals of the feed-roller and bearing against the journals of the presser-rollers, a release-rod connecting said cams, to simultaneously operate the same, and springs to normally press said presser-rollers against said feed-rollers, substantially as described.

2. In a copy-holder, the combination of a feed-roller, means to rotate the same, a copy-guide disposed in operative relation to the feed-roller, spring-pressed presser-rollers one above and one below said feed-roller to bear on said feed-roller, and means to simultaneously release said presser-rollers from said feed-roller, substantially as described.

3. In a copy-holder, the combination of a frame having standards, a rod connecting said standards, a feed-roller having journals in bearings in said standards, presser-rollers above and below the feed-roller, mounted for revolution and movable in bearings in said standards, toward and from said feed-roller, a copy-guide disposed concentrically with relation to the feed-roller, extending partially around the same and open on its lower side to clear said lower presser-roller, said copy-guide having arms at its ends suspending the same from said rod, springs to press the presser-rollers against the feed-roller, cams to move said presser-rollers simultaneously from said feed-roller and a release-rod connecting said cams, to simultaneously operate the same, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDWARD F. PITTMAN.

Witnesses:
D. C. PETTITT,
J. H. LANDES.