Sept. 16, 1952 L. K. FLEISCHMANN ET AL 2,610,723

STATIONERY CARRIER

Filed Nov. 19, 1949 2 SHEETS—SHEET 1

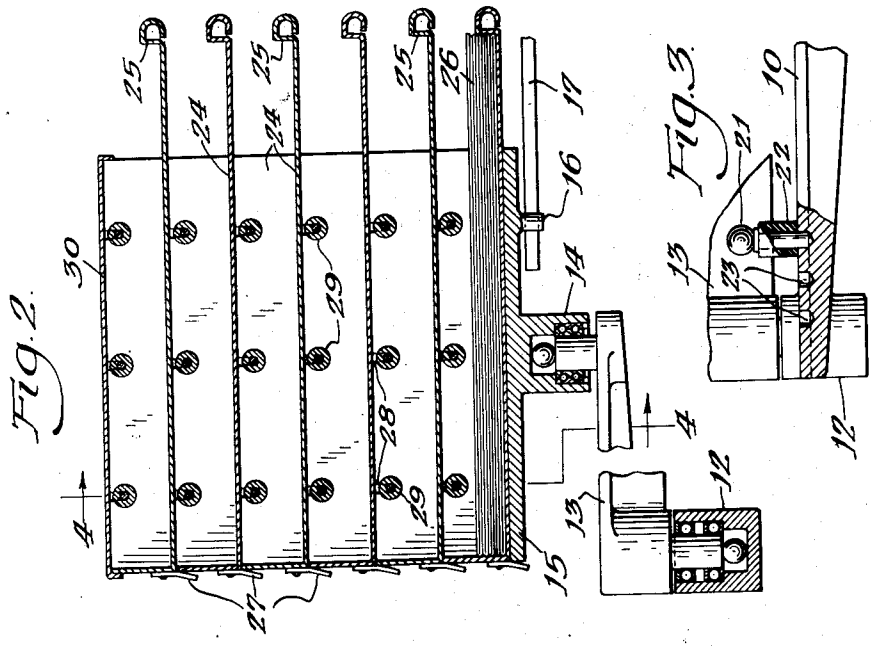


Fig. 2.

Fig. 3.

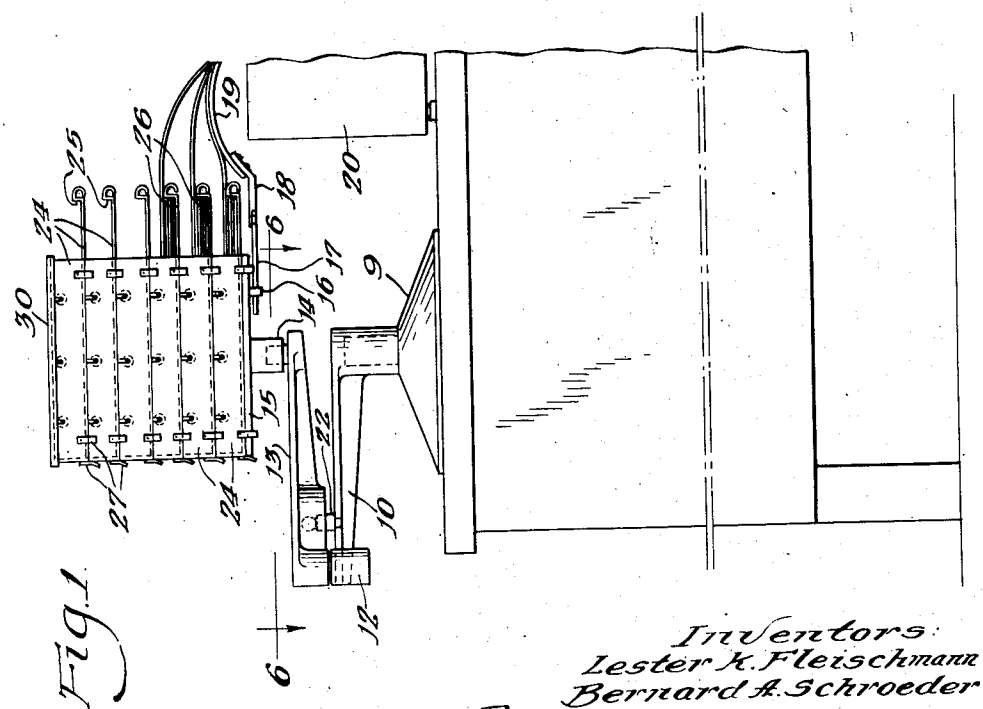


Fig. 1.

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STATIONERY CARRIER

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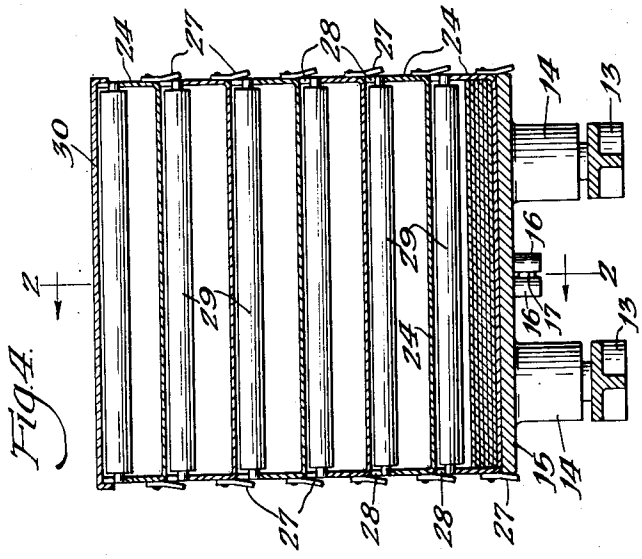


Fig. 4.

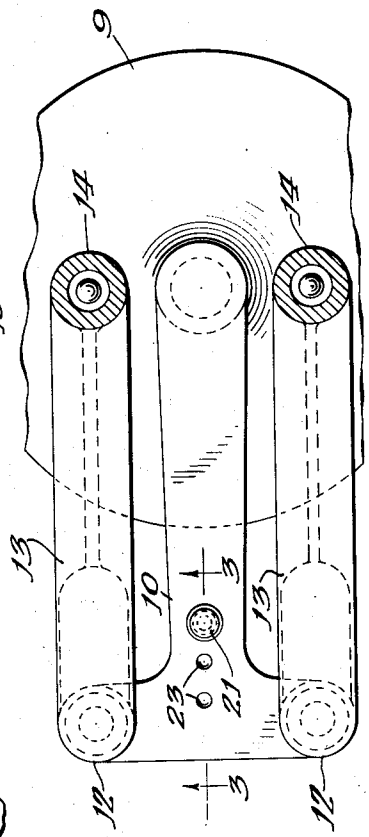


Fig. 6.

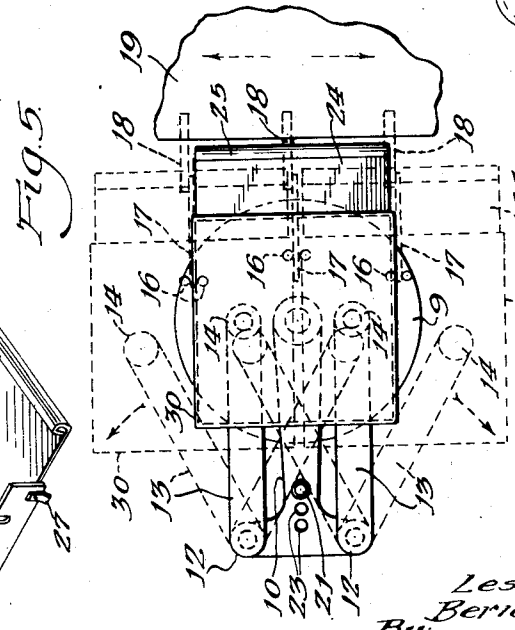


Fig. 5.

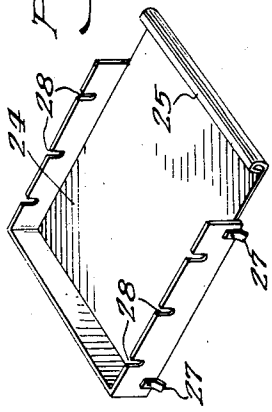


Fig. 7.

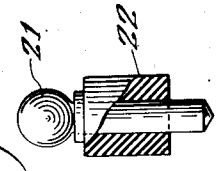


Fig. 8.

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UNITED STATES PATENT OFFICE

2,610,723

STATIONERY CARRIER

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Application November 19, 1949, Serial No. 128,272

5 Claims. (Cl. 197—133)

1

This invention relates to a stationery carrier for zig-zag folded strips of stationery which may be led into a writing machine having a reciprocating carriage, and more particularly to a carrier which is mounted by parallel links on a base in rear of the writing machine, so that the stationery container may swing bodily with respect to the base in a parallel movement, so that the stationery leads directly into the platen carriage without twisting.

The primary object of the invention is to provide a stationery carrier which is supported independently of the platen carriage but will swing transversely with it.

Another object of the invention is to provide a yielding driving connection between the writing machine and the stationery carrier, so that the movement of the carrier will be more smooth than the normal intermittent movement of the platen carriage of the writing machine.

Another object of the invention is to provide a carrier made up of a series of stacked members which may be built up or reduced to accommodate the number of separate strips required.

A further object of the invention is to provide a simple adjustable stop to limit the lateral movement of the stationery holder with respect to the base.

The invention is illustrated in a preferred embodiment in the accompanying drawings, in which—

Figure 1 is a side elevational view of a device embodying the invention and shown connected to a writing machine which is indicated by broken lines on a desk; Fig. 2 is a fragmentary sectional view, taken as indicated at line 2—2 of Fig. 4; Fig. 3, a fragmentary sectional view, taken as indicated at line 3—3 of Fig. 6; Fig. 4, a sectional view, taken as indicated at line 4—4 of Fig. 2; Fig. 5, a fragmentary plan view, showing in dotted lines the various positions of movement; Fig. 6, a plan sectional view, taken as indicated at line 6—6 of Fig. 1; Fig. 7, a perspective view of one of the stationery trays; and Fig. 8, a fragmentary elevational view of the adjustable stop member.

In the embodiment illustrated, a heavy base member 9 is provided with a rearwardly extending arm 10, provided at its rear end portion with a pair of bearing sockets 12. A pair of parallel links 13 are antifrictionally journalled in the sockets 12 and extend forwardly to make an antifriction connection with a pair of bearings 14 provided on the under side of a plate 15.

The plate 15 is provided with a pair of downwardly extending studs 16 adapted to be engaged by a leaf spring 17 secured to an arm 18 which may be attached in any suitable way to the transversely shiftable platen carriage 19 of a typewriter 20. The typewriter carriage usually makes one short rapid movement each time a key is pressed. Heretofore, it has been proposed to place a stationery holder directly on the typewriter carriage, but this has been objectionable because of the inertia of the large mass which must be started and stopped each time a key is pressed. By the present arrangement, the movement of the stationery holder will be more smooth than the intermittent movement of the carriage.

In order to limit the lateral movement of the stationery holder, a stop pin 21, preferably provided with a rubber sleeve 22, is provided to engage one of a series of holes 23 provided in the arm 10. A hole may be selected to limit the movement of the holder to that of the typewriter carriage.

In order that the mass of the moving portions of the stationery carriage may be kept to the minimum, the arms 13 and plate 15 are preferably made of light weight metal, and the stationery holder includes a series of separable stacked trays 24, of the type shown in Fig. 7. Each of the trays has a front stop 25, and preferably has either a window or a cut-away portion at the front, so that the operator may readily see how much stationery 26 is in the tray. Each tray is shown provided with positioning fingers 27, so that when placed in stacked position they will be held in proper alignment. Preferably, the side walls of each tray are provided with U-shaped slots 28, into which may be dropped the trunnions of rollers 29 which facilitate withdrawal of the zig-zag folded strip.

A cap member 30 may be provided for the top tray to cover the stationery in the top tray.

It will be understood that the trays may be made of various depths, dependent upon the supply of stationery desired to be carried. Also, if preferred, the trays may be made of plastic with flanged bottoms so that they may be nested in each other without utilizing the positioning fingers.

The foregoing detailed description is given for clearness of understanding only, and no unnecessary limitations should be understood therefrom, for some modifications will be obvious to those skilled in the art.

We claim:

1. A support for zig-zag folded strips of stationery led to a writing machine having a re-

ciprocating platen carriage, comprising: a base having a main body and a rearwardly extending portion which has a pair of laterally spaced pivots at its outer end; a pair of parallel horizontal supporting links mounted on said pivots and extending forwardly so that their forward ends are substantially over the main body of the base; and a stationery holder mounted on the forward ends of said links so that it will swing bodily in a horizontal plane.

2. A support for zig-zag folded strips of stationery led to a writing machine having a reciprocating platen carriage, comprising: a base having a main body and a rearwardly extending portion which has a plurality of longitudinally spaced apertures therein and a pair of laterally spaced pivots at its outer end; a pair of parallel horizontal supporting links mounted on said pivots and extending forwardly so that their forward ends are substantially over the main body of the base; a stationery holder mounted on the forward ends of said links so that it will swing bodily with respect to said base in a horizontal plane; and a stop pin inserted in one of said plurality of longitudinally spaced apertures in said rearwardly extending portion so as to adjustably limit the swinging movement of the holder in two directions.

3. In combination: a writing machine having an intermittently movable reciprocating platen carriage; a base; a pair of parallel horizontal supporting links each having one end pivoted on said base; a stationery holder mounted on the free ends of said links so that said holder will swing bodily with respect to said base in a horizontal plane; and a yielding driving member extending between said platen carriage and the stationery holder so as to swing the holder smoothly in timed relation to intermittent movement of said platen carriage.

4. In combination: a writing machine having an intermittently movable reciprocating platen carriage; a base having a main body and a rearwardly extending portion which has a pair of laterally spaced pivots at its outer end; a pair of parallel horizontal supporting links mounted on said pivots and extending forwardly so that their forward ends are substantially over the main body of the base; a stationery holder mounted on the forward ends of said links so that it will swing bodily with respect to said base in a horizontal plane; and a yielding driving member extending between said platen carriage and the stationery holder so as to swing the holder smoothly in timed relation with intermittent movement of said platen carriage.

5. In a support for zig-zag folded strips of stationery led to a writing machine having a reciprocating platen carriage, a stationery holder comprising a plurality of separable trays formed of thin sheet material, each of said trays having side walls with notches therein and a bottom provided at its forward end with an upstanding stop member to retain a pack of zig-zag folded stationery in the tray, a plurality of removable rollers supported in the notches in the side walls of each of said trays, and downwardly projecting elements at the bottom of each tray engaging the side walls of the next lower tray so as to detachably retain said trays in fixed relationship.

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