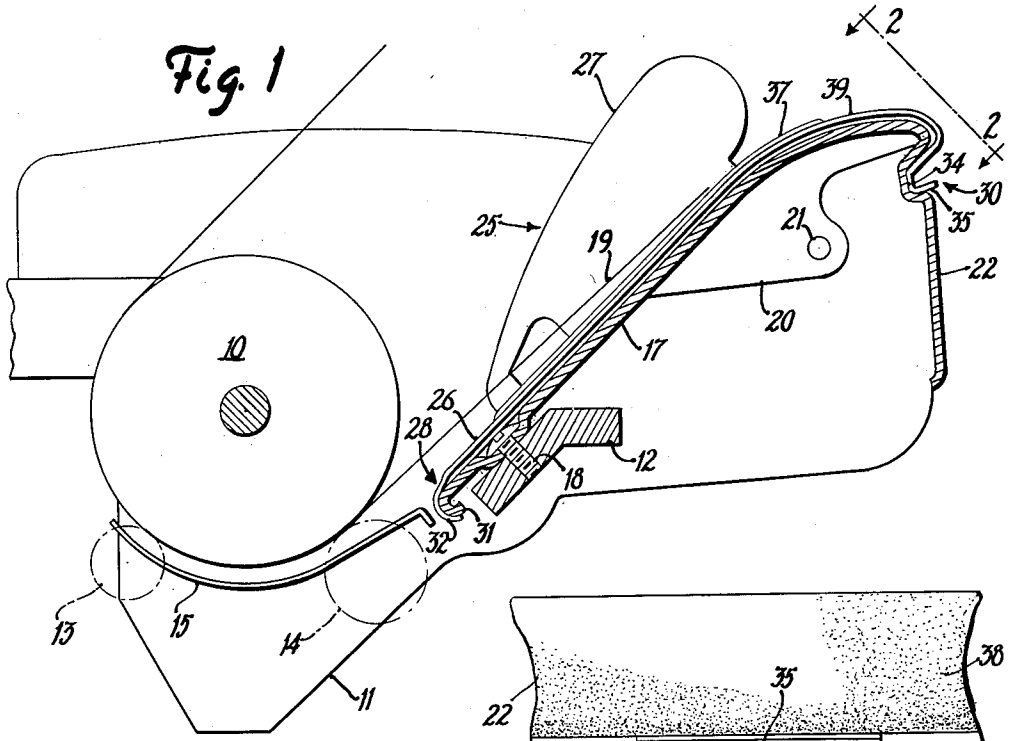
Feb. 19, 1952 W. A. DOBSON 2,586,522

ADJUSTABLE PAPER GUIDE

Filed March 19, 1949

Fig. 1



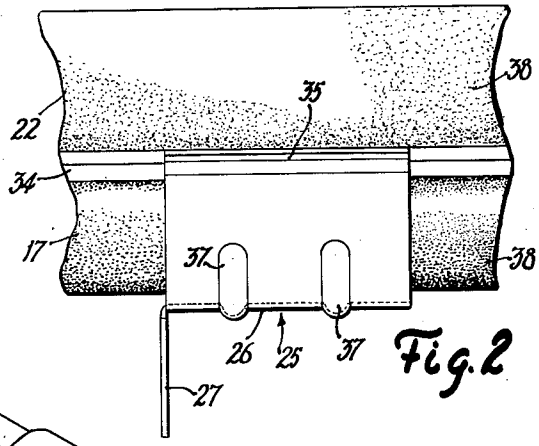
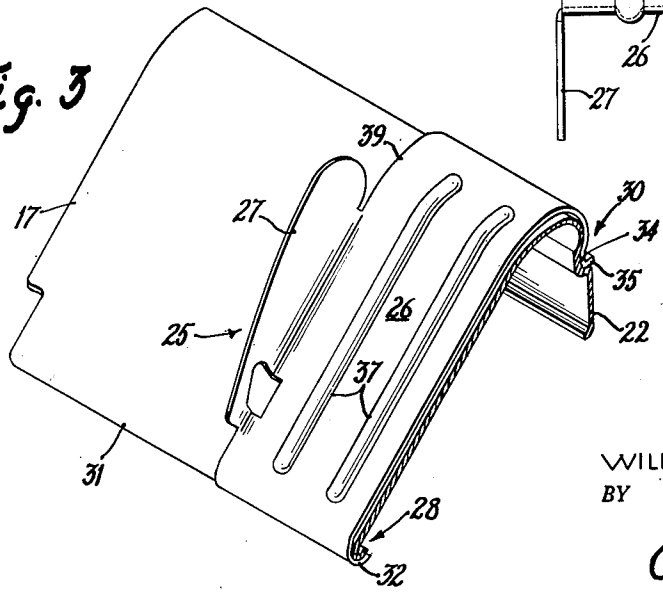


Fig. 2

Fig. 3



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ADJUSTABLE PAPER GUIDE

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5 Claims. (Cl. 197—142)

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This invention relates to adjustable paper guides, particularly also to side-edge paper guides used in typewriting and other record preparing machines.

It is a general object of the invention to provide a smoothly and efficiently adjustable paper guide which is economical to manufacture.

It is another object to provide a paper guide in simple and efficient adjustment-resisting association with a supporting structure, such as a paper shelf or table.

Another object of the invention is to provide a paper guide efficiently adjustable on a paper shelf by provision of two parallel, simple groove-and-edge associations therebetween, as well as simple and efficient provision to furnish resilient pressure contact between the groove and edge of each association.

A further object is to provide a paper guide in efficient, non-marring association, adjustable on a paper shelf.

It is particularly also an object to efficiently and adjustably support a paper guide on a paper shelf which blends or merges into a wall situated at an angle to the shelf.

Still other objects and features of the invention will be apparent upon consideration of the detailed description which follows, as that description is read in the light of the accompanying drawings.

Now, specifically referring to the drawings:

Figure 1 is a sectional, right-hand side elevation of a typewriting machine carriage embodying a novel side-edge paper guide with related supporting structure,

Figure 2 shows the paper guide and a fraction of the supporting structure therefor as seen when looking down upon the rear of the carriage in the direction indicated at 2—2 in Figure 1, and

Figure 3 is a sectional right-hand perspective view of the paper shelf with the paper guide thereon.

Referring now specifically to Figure 1, a platen 10 of a typewriting machine is turnably mounted in a supporting structure which comprises two widely spaced carriage ends 11 connected by a bar 12.

These cooperate with the platen conventional front and rear feed rolls, respectively indicated in dot-and-dash lines numbered 13 and 14. A conventional paper apron, indicated at 15, underlies the platen in slightly spaced relation thereto. To the rear of the apron 15 there extends between the carriage ends 11, in an upwardly and rearwardly inclined relation, a paper shelf or table 17. Work-sheets, such as one indicated

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at 19, are presented to the platen from the rear downwardly over the shelf 17. Said shelf 17 is fastened to the bar 12 of the carriage structure by means of several screws 18, the heads of which are accommodated in recesses below the top surface of the shelf. For further support the shelf 17 has at each end a rearwardly reaching side flange 20 which by means of a pin 21 has association with the adjacent carriage end 11. The shelf 17 is rearwardly curved at the top and merges with a down-reaching wall 22 that closes off the rear of the carriage.

Upon the shelf or table 17 is supported a side-edge paper gage generally designated by the numeral 25 and including a main body or web 26 extending across the shelf. A work-sheet guiding flange 27, constituting also a fingerpiece, reaches upwardly from and is integral with said guide body 26. For support of the side-edge paper guide, the body 26 has with the paper shelf 17 two groove-and-edge associations along two parallel, widely spaced lines, one association being along the front edge 31 of the paper shelf at 28, and the other being near the top of the rear wall 22 and numbered 30. The said front association comprises the front edge 31 of the shelf 17 which is downwardly curled and smooth, and a groove-presenting glider formation 32 integral with the body 26 and fitting the edge 31. The other association 30 comprises a channel or groove 34 formed along the rear of the paper shelf 17 at or near the junction of the rear wall 22 therewith, and further comprises the rear portion of the body 26, the latter of which is down-reaching to constitute a U-shaped glider formation 35 fitting the groove 34. The groove is preferably co-extensive with the length of the carriage.

The web or body 26 of the guide is formed or shaped to stand clear of the paper shelf 17, except at the said groove-and-edge associations 28 and 30. The clearance so afforded prevents scratching and marring of the paper shelf 17 and wall 22, the latter of which preferably have a crinkle-finish coating, as indicated at 38 in Figure 2, except where the groove-and-edge associations 28 and 30 are afforded, the finish at such associations being smooth or polished.

The paper guide body 26 has one or more stiffening ribs 37 pressed or formed therein as shown, but the upper portion of the web ending in the U-shaped glider formation 35 is curved or arched as at 39. The material of which the guide is made may be springy sheet steel. The guide is of such overall form that when it is in assembled state upon the paper shelf, its glider

formations 32, 35 stand flexed away from each other. Thus there prevails a resilient pressure contact across the groove-and-edge associations 28 and 30, so that the guide will normally retain its position along the shelf 17, but is smoothly adjustable lengthwise therealong against light frictional resistance to any desired paper guiding position.

The paper guide is adapted to be conveniently assembled upon the carriage by placing first the glider formation 35 in the groove 34 and subsequently forcing the other glider formation 32 downwardly over the shelf edge 31, the guide flexing between its two glider formations 32 and 35 and particularly at the arch 39.

The structure is not only very economical to manufacture but has a most pleasing aesthetic effect.

In the preferred form of the invention illustrated and described, the paper guide 25 is supported on a paper shelf 17, but, obviously, this is not an essential feature.

While the stated resilient pressure contact across the groove-and-edge associations is preferably furnished by reason of the form of the guide body, separate means may be provided on the guide body to furnish the desired frictional contact condition.

There are other variations possible within the scope of the invention, such scope being indicated by the following claims.

I claim:

1. In a record preparing machine, a member comprising an elongate paper shelf and a wall merging with and standing generally at an angle with the paper shelf, a side-edge paper guide, two smooth-faced parallel, groove-and-edge associations between said member and said paper guide, arranged relatively to retain said paper guide slidably on said member, the groove of one association being provided in said wall, and flexible means embodied in said paper guide to furnish resilient pressure contact across each of the two groove-and-edge associations.

2. In a record preparing machine having a platen, a paper table at the rear of the platen having a long, smooth front edge and reaching at an incline rearwardly and ending in a down-reaching rear portion, a groove formation provided in said down-reaching portion and extending parallel to the said edge, and a side-edge paper guide having a flexible web bridging the space between the said edge and said groove with clearance from the table and having a groove-shaped glider formation to cooperate with said table edge, and having also an edge-shaped glider formation to cooperate with said table groove, the flexible web of said paper guide being

formed to keep the glider formations in frictional contact with the edge and groove of said table.

3. As a new article of manufacture, a side-edge paper guide for sliding adjustment along a paper shelf, comprising, a body having at two extremities integral therewith two spaced, smooth-faced glide-ways extending lineally parallel and facing approximately oppositely in the same plane for individual interfitting, groove-and-edge gliding association with two parallel guide-ways therefor on a paper shelf, said body including an integral, resilient arch between the two glide-ways for groove-and-edge frictional gliding contact of the latter with said parallel guide-ways under resilient pressure afforded by said arch.

4. As a new article of manufacture, a side-edge paper guide for sliding adjustment along a paper shelf, comprising, a body having integral therewith two glide-ways extending lineally parallel, one glide-way affording a smooth-faced groove and the other a smooth-faced edge, said groove and said edge facing approximately oppositely in the same plane for interfitting, groove-and-edge gliding association with two parallel guide-ways, said body including a resilient arch between said glide-ways for frictional gliding contact of the latter with said guide-ways under resilient pressure afforded by said arch.

5. In a record preparing machine or the like, a member comprising a paper shelf and a wall merging with and standing generally at an angle to said paper shelf, a side-edge paper guide, and two smooth-faced parallel, groove-and-edge associations between said member and said paper guide, arranged relatively to retain said paper guide slidably on said member, the groove and the edge of one association provided oppositely on said paper guide and said wall, and the groove and edge of the other association provided oppositely on said paper guide and said paper shelf, and flexible means embodied in said paper guide to furnish resilient pressure contact across each of the two groove-and-edge associations.

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