

Nov. 25, 1958

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2,861,385

TYPEWRITER SUPPORT IN CARRYING CASE

Filed Sept. 14, 1955

2 Sheets-Sheet 1

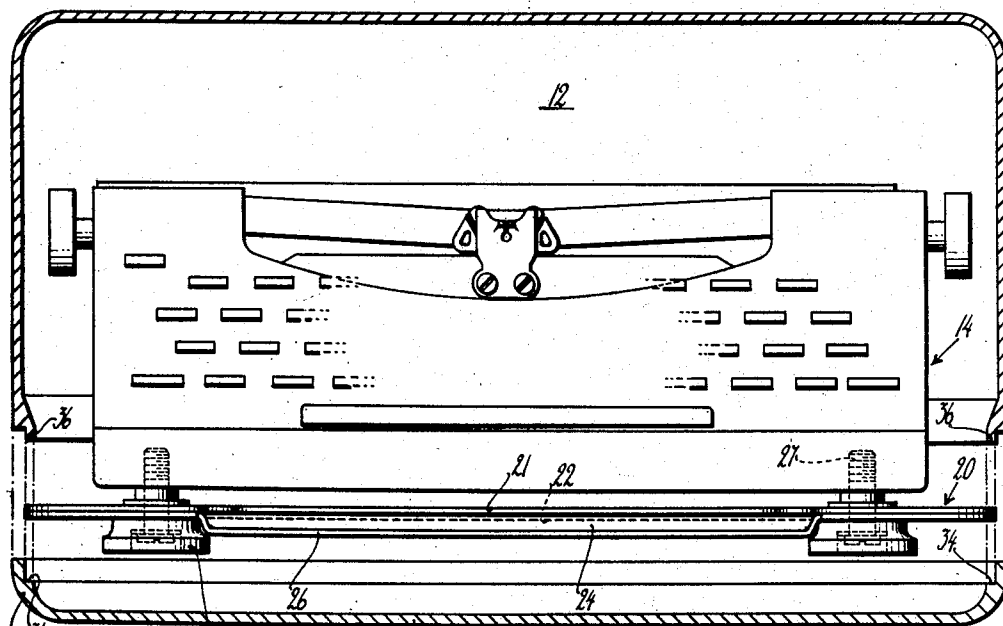


Fig. 2

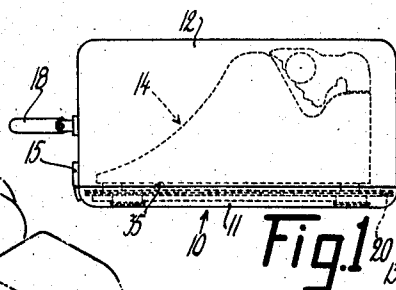


Fig. 1

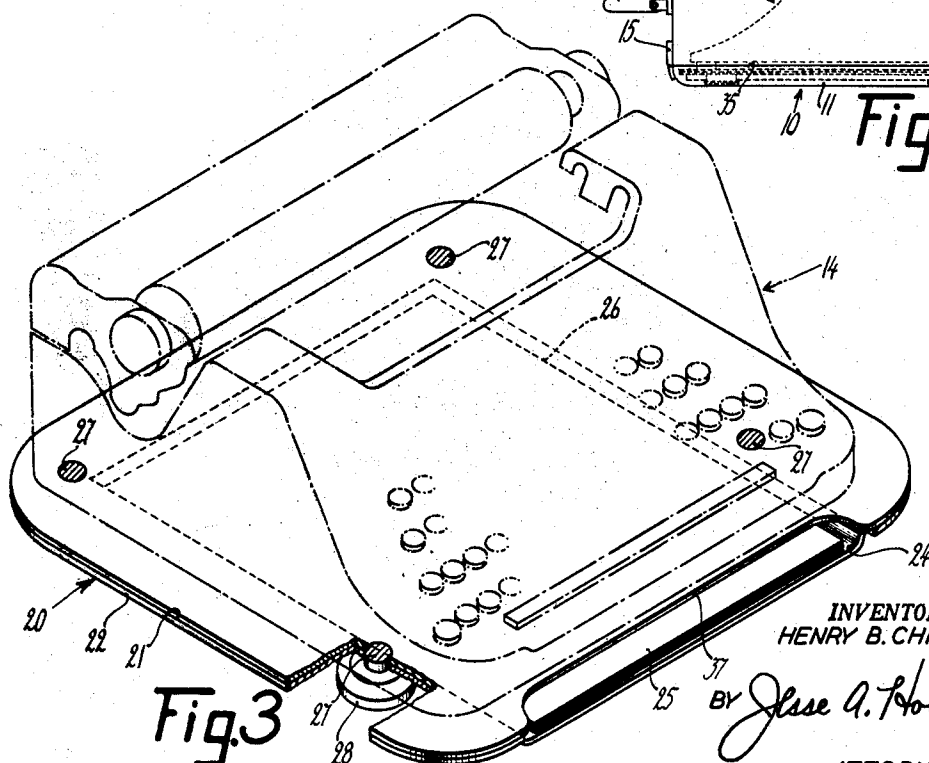


Fig. 3

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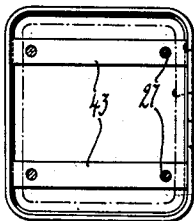
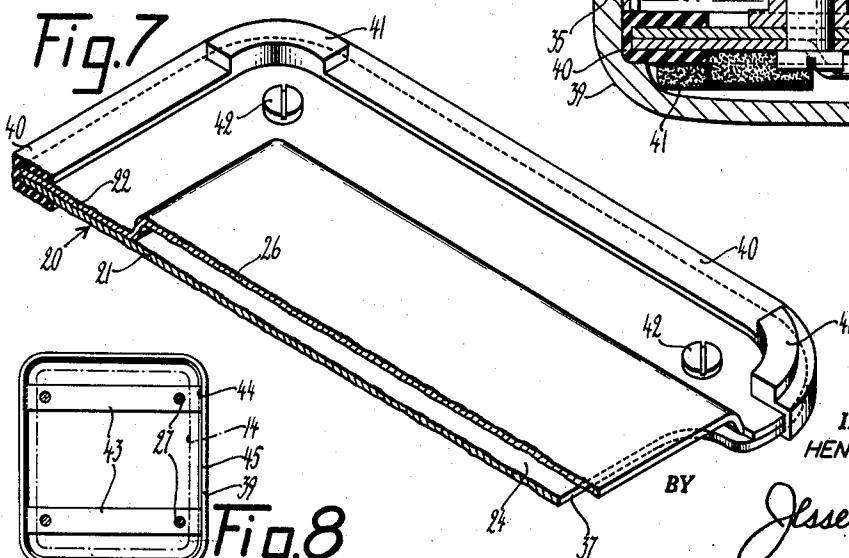
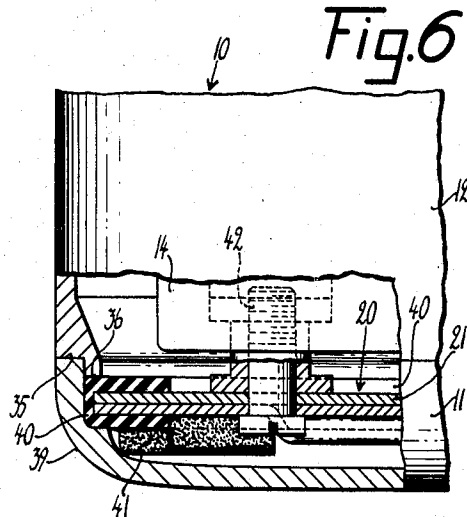
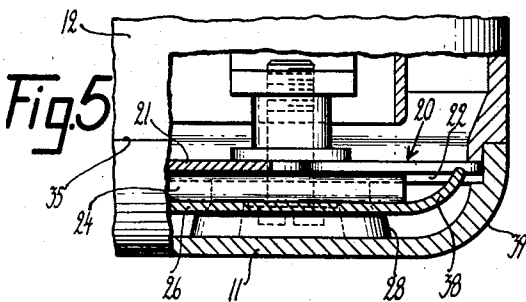
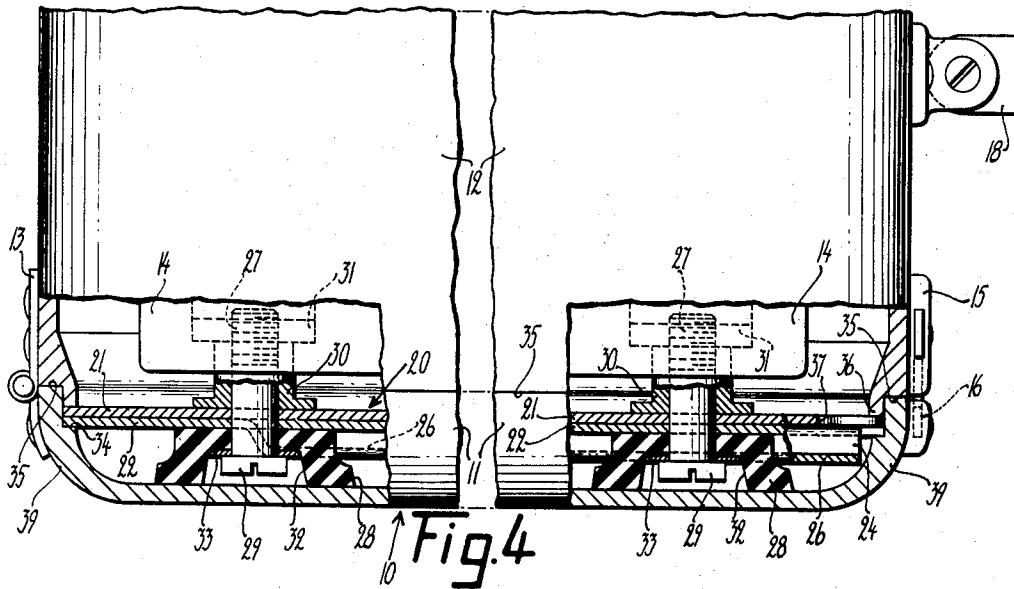
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2 Sheets-Sheet 2



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TYPEWRITER SUPPORT IN CARRYING CASE

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Application September 14, 1955, Serial No. 534,308

3 Claims. (Cl. 45—68.2)

This invention relates to portable typewriters or machines of similar use, and more particularly to facilities for supporting such machines removably in carrying cases therefor.

Carrying cases for typewriters are often used as traveling cases, the typewriter being removed for such use. Accordingly, many manufacturers of typewriters provide fixtures within the typewriter carrying cases which facilitate convenient removal of the typewriter. While such fixtures usually mount the machines effectively, they generally are of a nature constituting projections within the carrying case on which delicate items of clothing, such as ladies' stockings, are apt to become snagged and torn. Aside from this, such projection will also crease and wrinkle clothing and will reduce the available storage capacity of the case.

It is a main object of the invention to provide efficient means for mounting a typewriter removably in a carrying case and of a nature to leave the interior of the carrying case upon removal of the typewriter substantially devoid of projecting mounting structure, whereby the case is then completely suitable for carrying items of clothing.

Another object is to accomplish the foregoing object advantageously by structure which permanently is part of the typewriter or the carrying case.

Another object of the invention is to provide for the mounting of a typewriter in a carrying or traveling case in a very economical, efficient and neat manner.

Still a further object of the invention is to provide for the efficient mounting of a typewriter in a traveling case by the seating of a typewriter upon one carrying case component, and the securing of the so seated typewriter within the closed case automatically through engagement by the other case component.

Also, an object of the invention is to provide a typewriter with outwardly projecting means, such as a baseboard, further to provide means for locatingly seating the typewriter with its baseboard on one carrying case component, and to cause the machine to be held in position in the case by the other case component coacting with said baseboard, when the two case components are brought into closed-case relation.

A further feature or object is to construct the aforesaid baseboard to embody a stationery receiving pocket, preferably in a manner to be conducive to strength of the baseboard.

A still further object of the invention is to mount a machine by the stated projecting means or baseboard by simple coaction of two case components directly with the baseboard, the case component being preferably of molded material.

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

Directing attention now to the drawings, Figure 1 is an elevation of the carrying or traveling case of the invention

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having a typewriter mounted therein in accord with the invention.

Figure 2 shows in front elevation a portable typewriter including a base plate, two case components being diagrammatically shown in sectional aspect for association with each other and the base plate to hold the typewriter mounted.

Figure 3 is a front perspective view of the baseboard of the invention, inclusive of a typewriter indicated in dot-and-dash lines.

Figure 4 is an elevation and in enlarged aspect shows certain portions of the carrying case seen in Figure 1, and more particularly by break-aways to the center of two left typewriter feet, shows the detail structure whereby the typewriter is held in the said case.

Figure 5 is a fractional side elevation showing a modified baseboard and the case components broken away along a plane to the left of the right front foot of the typewriter.

Figure 6 is a fractional side elevation illustrating a baseboard embodying a cushioning rim by which it is held in the closed case.

Figure 7 is a fractional perspective illustration of the baseboard shown in Figure 6, in inverted position.

Finally, Figure 8 is a plan view of a modified form of the invention wherein the machine is seated upon one case component by crossbars extending laterally from the typewriter.

Referring now to Figures 1 and 4, the traveling or carrying case 10 comprises a shallow case component 11 and a voluminous case component 12. The two case components 11 and 12 are connected by hinges indicated at 13 of usual construction so that the case component 12 may be lifted from the case component 11 to gain access to a typewriter designated by the general reference character 14. A usual lock 15 comprising a spring urged latch 16 holds normally the two case components 11 and 12 together, the case being provided with a carrying handle 18.

The typewriter is mounted within the carrying case through the medium of a baseboard 20 which preferably is comprised of two superposed layers 21, 22 of substantially rigid plastic material, the upper layer 21 being planar and the lower layer 22 having a large-expanse rectangular depression indicated at 26 in Figure 3, the two layers forming a pocket 24 for storing typewriter paper etc., indicated at 25, the pocket having an open throat at the front side of the typewriter 14. The two layers 21, 22 of the baseboard 20 are preferably bonded or fused together to each side of the pocket 24 as well as to the rear thereof, rendering a substantially stiff structure. The so constituted baseboard 20 is secured to the underside of the typewriter 14 by four screws 27, each of which also fastens in underlying relation to the baseboard 20 a typewriter foot 28 of resilient material, such as rubber. Each screw passes upwardly through the base plate 20 and thereabove through a spacer 30 into a frame element 31 of the typewriter 14. The typewriter feet 28 are upwardly recessed as at 32 to accommodate the heads 29 of the screws 27, there being a metal washer 33 overlying the screw heads. When the screws 27 are tightened the feet 28, the baseboard 20 and the typewriter constitute a single assembly.

The shallow, tray-like case component 11 has along the interior of its raised rim 39, a recess 34 and the baseboard 20 has an outline so that it can be placed down upon the recess 34 and will become located therein in respect to the case component 11. This will be appreciated clearly from Figures 2 and 4. The recess 34 is considerably deeper than the baseboard 20 seated thereupon, which may be clearly appreciated from Figure 4. When the case component 12 is closed upon the case component

11, such components will meet and abut at 35 along their peripheral edges and an interior lip 36 on the case component 12 will engage upon the baseboard 20 as in Figure 4 within the raised rim of the case component 11, pressing it down on the aforesaid recess 34. Therefore, if the typewriter by its baseboard is placed upon the recess 34 and the case is then closed and held closed by the lock latch 16, as in Figure 4, the typewriter is then held by the baseboard 20 suspended within the composite case clear from its walls, excepting that the feet 28 may touch resiliently upon the case component 11 as shown in Figure 4. The feet 28 are preferably of a height so that when the machine is placed upon the lower case component 11, the baseboard stands slightly off the recess 34, the case component 12 when closed upon the baseboard 20 being effective to flex the feet 28 slightly. In this manner the baseboard 20 need not fill exactly the space between the recess 34 and the interior lip 36 and yet it will not shake within the closed carrying case.

The lip 36, additionally to holding the baseboard 20 in the recess 34, also serves to inter-fit the two case components mutually registered and reinforced.

The baseboard 20, although substantially confined along its border between the two case components 11 and 12, nevertheless is instrumental to suspend the machine cushioned in the case inasmuch as it is capable of some flexure. While the baseboard is preferably a molded plastic, it obviously may be made of other materials, for example sheet metal.

The described structure provides for easy and ready removal of the typewriter from the opened carrying case and when the machine is removed, both the case components 11 and 12 present a smooth interior, free of typewriter-mounting hardware. Obviously when the case is to be filled with items of clothing, it is given a position inverted from that seen in Figure 1, and the shallow case component 11 becomes the cover of the case.

The top layer 21 of the baseboard 20 may be recessed rearwardly, as shown at 37 in Figure 3, to expose for convenient grasp the leading edges of the typewriter paper 25.

Figure 5 shows the baseboard 20 modified slightly for its lower layer 22 at the pocket throat to include a lip 38 curving upwardly toward the raised rim 39 of the case component 11. Moreover, the top layer 21 is recessed or cut back at the throat of the pocket to a greater extent than shown in Figure 3. When thus the typewriter is used with its baseboard 20 merely standing located in the tray-like case component 11, the lip 38 makes it convenient to slide work sheets in an upward curve out of the pocket 24 and past the rim 39 of the case component 11.

According to another modified structure of the invention illustrated in Figures 6 and 7, the peripheral edge of the baseboard 20 is provided with a brim or cleat means 40 of resilient material such as rubber. The baseboard 20 by its brim 40 fits between the recess 34 and the interior lip 36 respectively of the case components 11 and 12, whereby said baseboard is resiliently anchored in the case for transport. The brim 40 is generally U-shaped in cross-section, as shown, and may be cemented or otherwise secured to the base. Moreover, the said brim 40 at each of the four corners of the base includes an integral foot 41 for standing the typewriter on a flat surface. The brim 40 is omitted at the mouth side of the pocket 24. Screws 42 similar to the screws 27 fasten the base to the underside of the typewriter but no feet are associated therewith in view of the provision of the feet 41 integral with the rubber brim 40.

A further modification is shown in Figure 8 wherein the typewriter 14 has secured to its underside, by screws 27, two crossbars 43. These crossbars serve substantially the same purpose as the base plate 20. Namely, the typewriter is received in the case component 11 through the ends of the crossbars 43 which severally fit in depressions 44 formed at four locations along the inner side of the

raised rim 39 of the case component 11. Moreover, along the inner side of the raised rim 39 extending between the depressions there is a recess 45 similar to the recess 34 and short of the depth of the depressions 44. When the case component 12 is closed upon the case component 11, the lip 36 on the former bears on the ends of the crossbars 43 seated in the depressions 44 and thereby holds the machine securely anchored in place for transport.

Other modifications within the general scope and purposes of the invention suggest themselves readily. For example, the frame of the typewriter may be provided with outwardly reaching arms adapted to be seated on the case component 11 and locked in the case substantially in the same manner as explained in connection with the bars 43. Obviously also such arms may reach from the typewriter at a level higher than the illustrated baseboard 20 and the case components 11 and 12 may be proportioned to separate generally at the level of the stated arms. Furthermore, the base-seating shoulder formed by the recess in accord with Figures 2 and 4 may be omitted if the typewriter feet 28 are made firm enough to hold firmly the board 20 against the lip 36 of the case component 12 in the closed condition of the case.

Having explained the nature and the objects of the invention, and having specifically described some embodiments of the invention, what is claimed is:

1. In combination with a typewriter or similar machine, a traveling case adapted to receive said typewriter and comprising a relatively shallow case component and a relatively high, voluminous case component complementing said shallow case component to form therewith a compartment sufficiently large to accommodate said typewriter, said shallow case component having a raised rim, said traveling case comprising means whereby said case components are adapted to be in open-case relation or closed-case relation and are latchable together in the latter relation, means to mount said typewriter in said traveling case comprising a baseboard unitary with said typewriter and reaching outwardly therefrom on at least two sides thereof, the rim of said shallow case component having an interior recess, said baseboard dimensioned to fit down into said interior recess so that a portion of the rim protrudes exteriorly above the baseboard and so that the typewriter stands definitely located relative to and uprightly projecting from the inner side of said shallow case component in an operable condition, and lip means on the voluminous case component to contact the baseboard in said interior recess and to fit within said protruding portion of the said rim when said case components are moved to and latched in closed-case relation, whereby then the two case components and the baseboard with the typewriter thereon are locked together.

2. In combination with a typewriter or similar machine, a traveling case adapted to receive said typewriter, comprising two complementing case components movable to open and closed-case relations and means to latch the two case components together in closed-case relation, mounting means reaching outwardly beyond the main body of the typewriter on at least two sides and unitary therewith, resilient cushioning material along the outer border of said mounting means facing outwardly, upwardly and downwardly, recess means interior of an outer edge of one of said case components adapted in the open-case relation of said components to receive said mounting means by its resilient cushioning material removably seated and definitely located and so that said typewriter stands definitely located relative to and uprightly projecting from the interior side of said one case component and this is operatively accessible, and means on said other case component engageable automatically with said resilient cushioning material through closure of the case so that then the typewriter by the medium of the resilient cushioning material becomes resiliently anchored in the carrying case.

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3. In combination with a typewriter or similar machine having a keyboard and a manipulative carriage, a traveling case for said typewriter, said traveling case comprising two complementing components movable to open and closed case relations and comprising means to latch the two components together in a closed-case relation, one of said components constituted to accommodate said typewriter rising upwardly from its inner side and leaving at least said carriage and the upper portion of said keyboard protruding clear therefrom, mounting means fast on and reaching outwardly from at least two opposite sides of said typewriter, means closely within a peripheral edge of said one case component, adapted in the open-case relation of said components to receive and locate said mounting means on said one case component removably seated in a definite relation thereto and so that the typewriter stands definitely located rising from the inner side of such component and with at least

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the carriage and the upper portion of said keyboard protruding clear above such component for ready manipulative accessibility, and means on said other case component adapted through closure of said traveling case to engage said mounting means at the proximity of said receiving and locating means to hold said mounting means, and thus the typewriter, in the closed traveling case as received and located on said one case component.

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