

[54] **PORTABLE TYPEWRITER WITH CASE**

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[58] Field of Search .....312/208, 244, 320; 353/119; 73/431; 206/1, 16; 250/524

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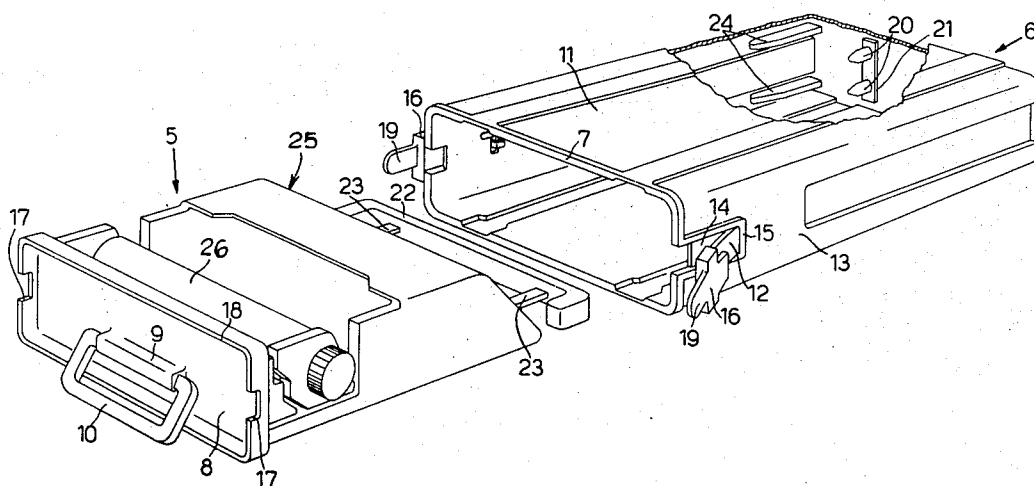
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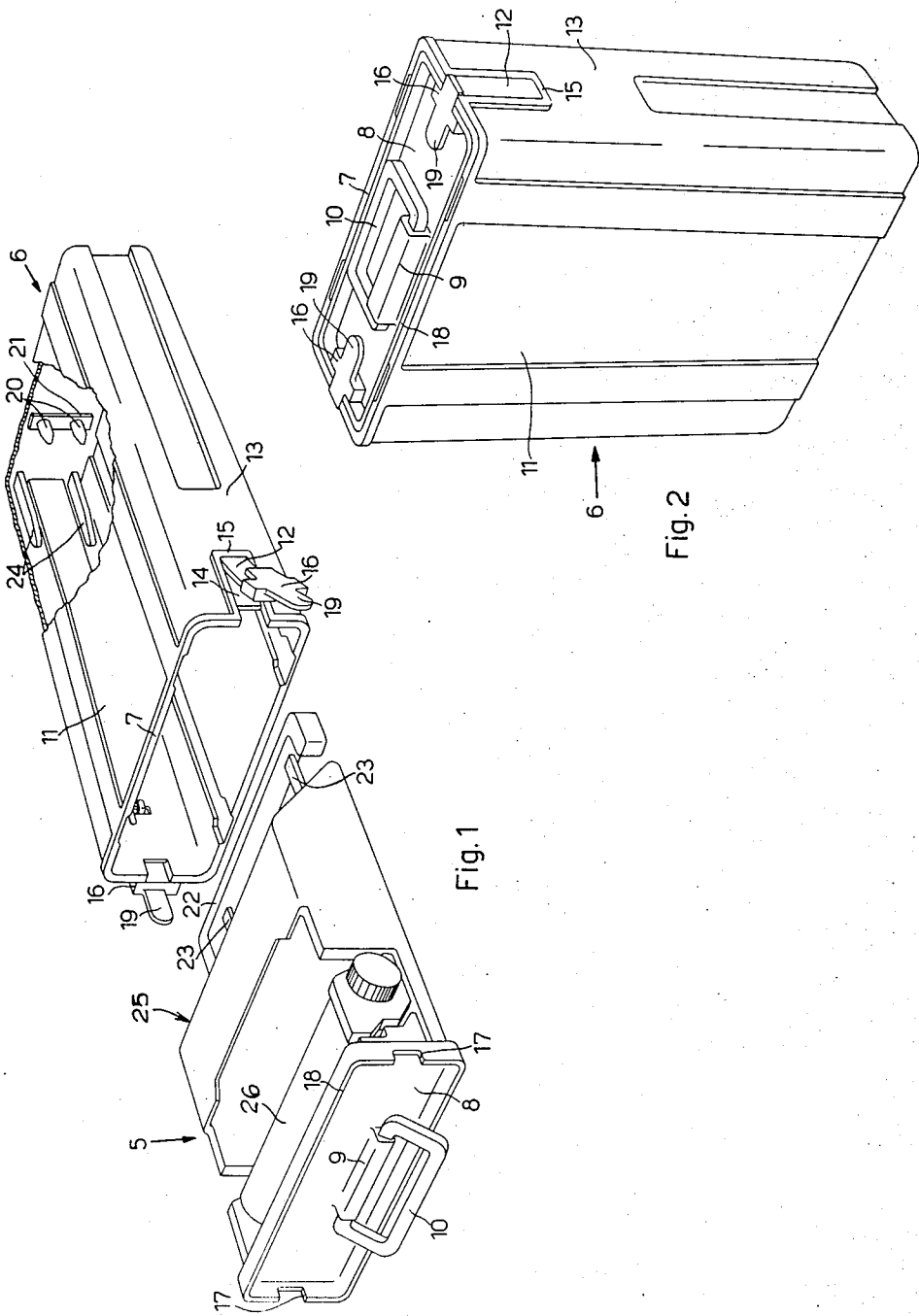
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[57] **ABSTRACT**

A portable typewriter and case assembly in which the typewriter is insertable into the case through an open end thereof. A panel for closing the open end of the case is affixed to the back of the typewriter. Flexible connecting means are secured to the case and are engageable with the panel for removably securing the panel to the case when the typewriter is inserted into the case.

**5 Claims, 2 Drawing Figures**





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## PORTABLE TYPEWRITER WITH CASE

## BACKGROUND OF THE INVENTION

## 1. Field of the Invention

The present invention relates to a portable typewriter and case assembly.

## 2. Description of the Prior Art

Various portable typewriter and case assemblies are known wherein the typewriter can be removed completely from the case for use. Generally, these assemblies are relatively heavy to carry. A portable typewriter and case assembly has also been proposed wherein the typewriter is fixed to the base of the case, so that the case forms a part of the cover for the machine. In this latter assembly, a carrying handle is fixed to one of the lateral sides of the base, as a result of which the handle is in the way while the machine is being used. Moreover, since the handle is fixed to one of the lateral sides of the base, the mechanisms of the typewriter are subject to lateral stresses during carriage. Finally, this assembly has the disadvantage that the base is liable to become damaged by being struck while the machine is being carried.

## SUMMARY OF THE INVENTION

An object of the present invention is to provide a portable typewriter and case assembly in which the case protects the typewriter as much as possible while it is being carried and does not subject the mechanisms of the typewriter to lateral stresses.

Basically described, the assembly of the invention comprises a case having one end thereof open; a typewriter insertable into the case through said open end; a panel affixed to the back of the typewriter for closing said open end; a carrying handle connected to the panel; and connecting means associated with the case for removably securing the panel to the case when the typewriter is inserted into the case.

A preferred embodiment of the invention will now be described by way of example with reference to the accompanying drawings.

## BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a rear perspective view from the left of the typewriter and case of the assembly of the invention, with part of the case being removed to show the interior thereof; and

FIG. 2 is a perspective view of the typewriter inserted into the case and ready for carrying.

## DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to FIG. 1, reference numeral 5 indicates generally a portable typewriter machine, and reference numeral 6 indicates generally a case of rigid plastic material within which machine 5 may be inserted. Machine 5 includes a keyboard indicated generally by reference numeral 25 at the front thereof and a paper platen 26 at the back thereof. Case 6 is of substantially rectangular parallelepipedal form and is tapered slightly inwardly toward the bottom thereof. The two sides of case 6 having the smallest area are the top and bottom thereof, and the two sides having the largest area are side walls 11. The case is open at the top thereof and is adapted to receive the machine,

keyboard or front first, through such top. The rim of case 6 is formed by a projecting ridge 7 against which a closure panel 8 fixed to the back of machine 5 is adapted to rest. Fixed to the panel 8 is a projection 9 in which there is hinged a handle 10 for carrying the machine.

Projection 9 is disposed slightly below the middle of panel 8 in such a manner that handle 10 is hingedly connected to the panel in a plane which is substantially parallel to side walls 11, i.e. substantially parallel to the bottom of machine 5, and passes through the center of gravity of the machine, so that during carriage the case hangs vertically downwardly from the handle. Panel 8 is provided at the perimeter thereof with a rim 18 projecting to the rear of machine 5, i.e. outwardly from the outer surface of the panel, and substantially at the same height as projection 9. Handle 10 is of a size such that it can rest against panel 8 within rim 18 when it is pivoted toward the top of the machine, so that in spite of the relatively small height of the machine the handle can be made large enough to be gripped comfortably.

The case includes connecting means for removably securing the closure panel and machine thereto. The connecting means are constituted essentially by two flexible tongues 12 secured to two opposite side walls 13 of the case in registration with two depressions 14 formed in the case. The depressions are framed by U-shaped ridges 15 integrally connected to ridge 7. Tongues 12 are composed of an elastic material, such as rubber, and each includes a T-shaped portion 16. Portions 16 are engageable with two notches 17 formed in rim 18; the bar of each T-shaped portion being wider than the associated notch 17 and the thickness of each portion being no greater than the height of rim 18. Each tongue 12 terminates in a freely extending portion 19 forming a finger-tab adapted to be grasped by a user for manipulating the tongue.

Two pairs of rubber pegs 20 are fixed to the bottom of case 6, only one such pair being visible in FIG. 1. Each pair of pegs 20 is integral with a base 21 and is adapted to engage therebetween a front bar 22 of machine 5 for holding the machine in the proper position within the case. The bar 22 is fixed to the frame of the machine by means of two longitudinal bars 23. Finally, at the bottom of the case there are fixed two pairs of rubber ribs 24 having their edges slightly inclined and adapted to guide the side walls of the machine laterally to thereby guide the machine into the proper position within the case.

To insert machine 5 into case 6, the case is first placed upright, as in FIG. 2, and is held with one hand by means of one of tongues 12. The handle 10 is then gripped with the other hand and the machine is picked up, thereby automatically moving the machine to a vertical position. The machine is now inserted into the case until the rim 18 mates with the ridge 7, as in FIG. 2. By then gripping the two tab portions 19, the tongues 12 are pulled and bent over until T-shaped portions 16 are engaged with notches 17. In order to engage portions 16 with notches 17, tongues 12 must be placed under tension, thereby insuring that panel 8 will remain firmly secured to case 6.

To remove machine 5 from case 6, portions 16 are freed from notches 17, thereby releasing panel 8 from the case. The machine may then be lifted from the case.

Since case 6 is made of a rigid plastic material, it can be used as a support for the machine during use, while the paper can be placed inside the case.

It is understood that various modifications, improvements, or additions may be made in the assembly hereinbefore described without departing from the scope of the invention. Therefore, the scope of the invention is to be limited solely by the scope of appended claims.

I claim:

1. A portable typewriter and case assembly comprising:

- a substantially parallelepiped shaped case, the sides of said case having the smallest area being the top and bottom thereof, said top being open;
- a typewriter, including a keyboard at the front thereof and a paper platen at the rear thereof, said typewriter being insertable front first into the case through said open top;
- a panel affixed to the back of the typewriter for closing said open top;
- a carrying handle connected to the panel and being disposed when in use in a plane extending generally parallel to the bottom of the typewriter and through the center of gravity thereof; and
- connecting means associated with the case for removably securing the panel to the case when the typewriter is inserted into the case, said connecting means including a pair of connecting elements respectively secured to two opposite side walls of said case adjacent said open top.

2. An assembly as recited in claim 1; wherein the panel includes a perimetrical rim projecting outwardly from the outer surface thereof; and wherein the handle is pivotally connected to the panel and when not in use is arranged to rest against the outer surface of the panel within said rim when pivoted toward the top of the typewriter.

3. An assembly as recited in claim 1; wherein said handle is pivotally connected to the panel; and wherein said two opposite side walls are disposed perpendicularly to the pivot axis of said handle when the typewriter is inserted into the case; and wherein the panel includes a perimetrical rim projecting outwardly from the outer surface thereof, said rim having two oppositely disposed notches therein respectively positioned adjacent said two opposite side walls when the typewriter is inserted into the case; and wherein said connecting elements comprise two flexible tongues respectively engageable with said notches, each of said tongues including a T-shaped portion engageable with the associated notch and a freely extending portion adapted to be grasped by a user for manipulating the

tongue, said tongues being composed of an elastic material and under tension when engaged with said notches.

4. As assembly as recited in claim 1; wherein the typewriter includes a bar mounted on the front thereof; and wherein the case includes at least two oppositely disposed ribs mounted interiorly thereof for guiding the typewriter into the proper position therein and at least one pair of pegs secured to the bottom thereof and engageable with said bar for locking the typewriter in the proper position therein.

5. A portable typewriter and case assembly comprising:

- a substantially parallelepiped shaped case, the sides of said case having the smallest area being the top and bottom thereof, said top being open;
- a typewriter including a keyboard at the front thereof, a paper platen at the rear thereof and a bar mounted on the front thereof, said typewriter being insertable front first into the case through said open top, said case including at least two oppositely disposed ribs mounted interiorly thereof for guiding the typewriter into the proper position therein and at least one pair of pegs secured to the bottom thereof and engageable with said bar for locking the typewriter in the proper position therein;
- a panel affixed to the back of the typewriter for closing said open top, said panel including a perimetrical rim projecting outwardly from the outer surface thereof and having two oppositely disposed notches therein respectively positioned adjacent two opposite side walls of said case when the typewriter is inserted into the case;
- a carrying handle connected to the panel and being disposed when in use in a plane extending generally parallel to the bottom of the typewriter and through the center of gravity thereof; and
- connecting means associated with the case for removably securing the panel to the case when the typewriter is inserted into the case, said connecting means including a pair of connecting elements respectively secured to said two opposite side walls adjacent said open top, said connecting elements comprising two flexible tongues respectively engageable with said notches, each of said tongues including a T-shaped portion engageable with the associated notch and a freely extending portion adapted to be grasped by a user for manipulating the tongue, said tongues being composed of an elastic material and under tension when engaged with said notches.

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