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INSTRUCTION BOOK

Filed May 27, 1968

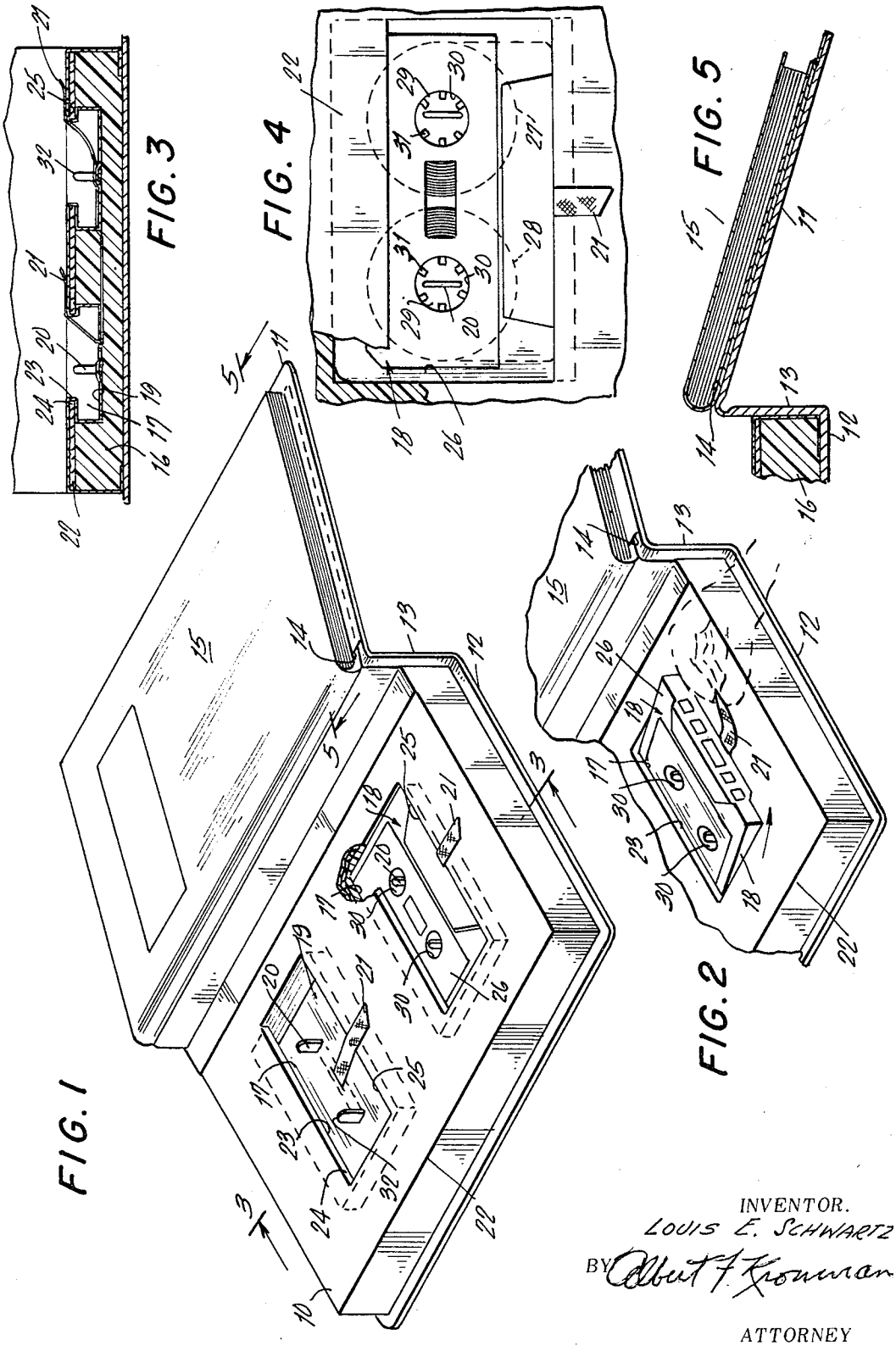


FIG. 1

FIG. 2

FIG. 3

FIG. 4

FIG. 5

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INSTRUCTION BOOK

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ABSTRACT OF THE DISCLOSURE

An instruction book incorporating within one of its covers, recesses to receive recorded tape cartridges for supplementing the printed matter in the book. Spaced upstanding members are provided in the recesses which enter central openings of the tape spools in the cartridge to insure proper orientation of the cartridge within the recesses and subsequent proper orientation of the cartridge in the tape play back machine.

BACKGROUND OF THE INVENTION

It is well known to provide books with a thickened cover member containing one or more recesses to receive articles such as toys, phonograph records and the like. Such structures are concerned merely with retaining the articles within the confines of the book.

In providing a book incorporating an audio tape cartridge, however, it is important to maintain the orientation of the cartridge within the cover recess. Proper orientation of the cartridge will insure correct insertion of the cartridge in the play-back device thereby saving time and preventing possible damage to the play-back device. In addition, it is desirable to prevent the tape spools from rotating within the cartridge while in the book recess and thereby unwinding the tape therein.

SUMMARY OF THE INVENTION

The present invention provides a combined book and audio tape cartridge device in which one cover of the book is thickened and provided with recesses to receive the cartridges. Spaced upstanding members within the recesses enter the cartridge spool openings as the cartridge is placed therein. The upstanding members are positioned within the recesses in such manner that the cartridge can only be inserted in the proper orientation in the recesses. The upstanding members are also of a width to prevent accidental unwinding of the tape spools.

DESCRIPTION OF THE DRAWINGS

In the accompanying drawing forming part hereof:

FIGURE 1 is a somewhat isometric view of a complete embodiment of the present invention.

FIGURE 2 is a fragmentary view of the book shown in FIGURE 1 illustrating the manner in which a tape cartridge is withdrawn.

FIGURE 3 is a cross sectional view taken on line 3—3 of FIGURE 1 looking in the direction of the arrows.

FIGURE 4 is a fragmentary top plan view, somewhat enlarged, showing the tape cartridge within the book cavity.

FIGURE 5 is a fragmentary cross sectional view taken on line 5—5 in FIGURE 1, looking in the direction of the arrows.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to the drawing and particularly FIGURE 1, **10** indicates a book having cover members **11**, **12** secured together by a back **13** in the well known manner. The cover member **11** is provided with a pocket **14** on the inside thereof to receive printed material **15**. The printed material **15** may be in the form of a small book or pamphlet.

A block **16** of substantial thickness is secured to the inner face of the cover member **12**. The block **16** may be made of paper, foamed plastic or any other light material. One or more recesses **17** are provided in the block **16** of a size large enough to receive an audio-tape cartridge **18**. The bottom wall **19** of the recesses **17** are provided with spaced upstanding members **20**, as best shown in FIGURES 1 and 3. The back **13** is sufficiently wide to accommodate the block **16** and the pamphlet **15** when the book is closed.

A small ribbon **21** is secured at one end to the bottom wall **19** of the recesses **17**. The ribbon is of sufficient length to extend beyond the recesses **17** in the manner shown in FIGURES 1–4.

The top of the block **16** is covered by a sheet of material **22**, such as paper or cardboard, which is glued thereto, and which is provided with openings **23**. The openings **23** are somewhat smaller than the recesses **17**, and provide a flange **24–25** at the top and bottom of the recesses. The flanges **24–25** prevent the tape cartridge from falling out of the block as hereinafter more fully set forth.

As shown in FIGURE 4, the tape cartridge **18** consists of a body portion **26**, within which there is carried two spools **27**, **28**. The spools have a central opening **30** therein, within which are disposed a series of inwardly extending ribs **31**. The ribs **31** are used to drive the spools during the playback of the tape. The upstanding members **20** are of a size which will permit them to enter the openings **30** between the ribs **31**, as shown in FIGURE 4.

The spool openings **30** are closer to one end of the cartridge **18** than the other. The upstanding members **20** are positioned within the recesses **17** of the block **16** closer to one wall than the other. The spacing of the upstanding members **20** within the recesses **17** is such that the cartridge **18** can only be slipped within the recesses with one edge of the cartridge always facing the same direction. As a result, when the cartridge is withdrawn from the recess **17**, it will be oriented in the proper position for insertion into the playback machine.

The cartridge **18** is placed within the recess **17** by holding it in the proper position and slipping it over the upstanding members **20** and under the flange **24**. The upstanding members **20** will thereupon slide into the cartridge openings **30**, permitting the cartridge to drop into the recess **17**. At this juncture the ribbon **21** will be partially wrapped around the cartridge **18** and extend out over the flange **25**, as shown in FIGURE 1. The cartridges **18** are now in their stored position. The book may be closed and either carried about or placed upon a shelf.

When it is desired to remove a cartridge from the book, it is merely necessary to grasp the end of the ribbon **21** in the manner shown in dashed lines in FIGURE 2 and pull it gently. The cartridge **18** will be upended and may be grasped between the fingers and lifted from the recess **17**.

While in the recess **17**, the upstanding members prevent the tape spools **27**, **28** from rotating within the body of the cartridge. The tops of the upstanding members **20** are rounded as indicated at **32** to enable them to slip into the openings **23** of the spools **27**, **28** between the ribs **31**.

Having thus fully described the invention, what is claimed as new and desired to be secured by Letters Patents of the United States, is:

1. An instruction book for subject related taped and printed material comprising in combination, a first cover member, a second cover member, a rectangular back

secured along its opposed long margins to the first and second cover members to form a book-like structure, a printed instruction book, means to secure the instruction book to the first cover, a recessed block of substantial thickness secured to the inner surface of the second cover member, an elongated ribbon secured at one end to the second cover within the recess and extending outwardly thereof so as to overlie the block, spaced upstanding members secured to the second cover within the recess and extending upwardly thereof and substantially normal thereto and a tape cartridge having spaced openings therein freely received within the recess overlying the ribbon and with the upstanding members received within the spaced openings of said cartridge.

2. A book according to claim **1** in which the block is formed with opposed flange members on two sides of the recess to prevent accidental removal of the tape cartridge.

3. A book according to claim **2** in which the upstanding members are closer to one side of the recess than the opposed side to insure proper orientation of the tape cartridge therein.

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