Nov. 8, 1966 R. G. HENTIG 3,283,430

STRIP HOLDER FOR INDEX BOARD

Filed Jan. 8, 1965

FIG. 1.

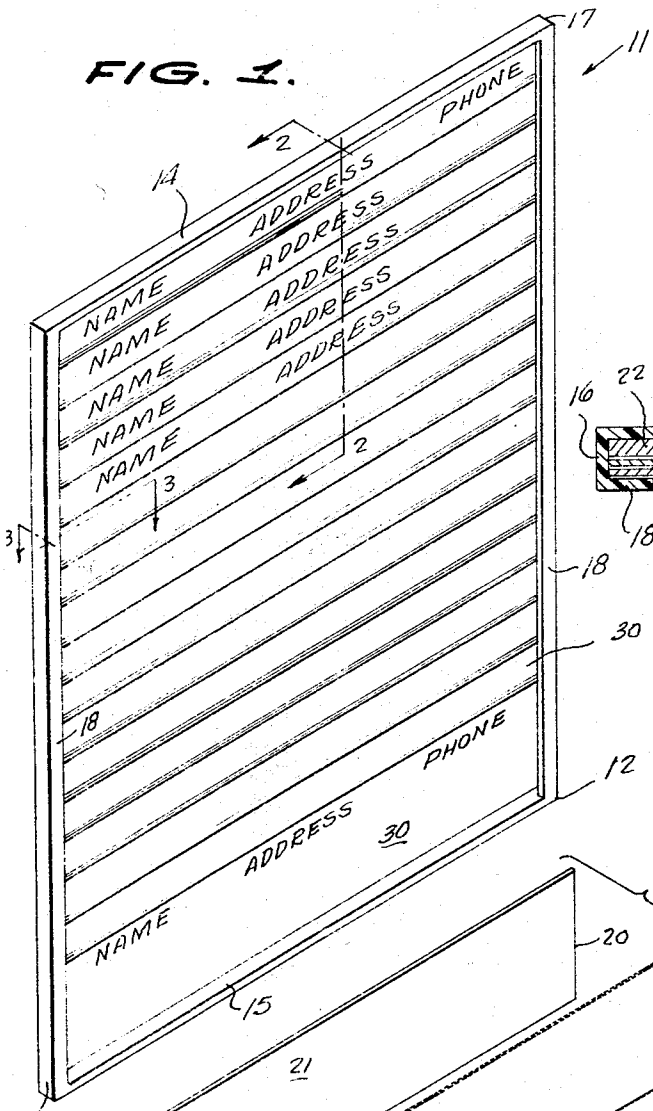


FIG. 2.

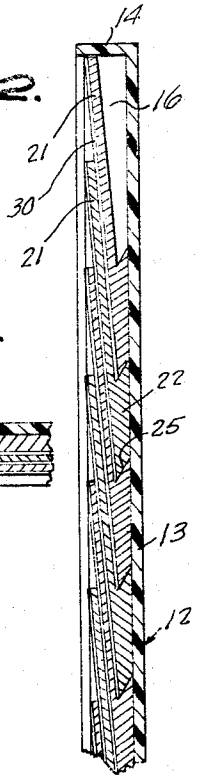


FIG. 3.

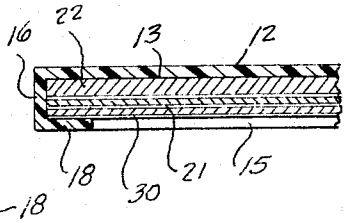


FIG. 4.

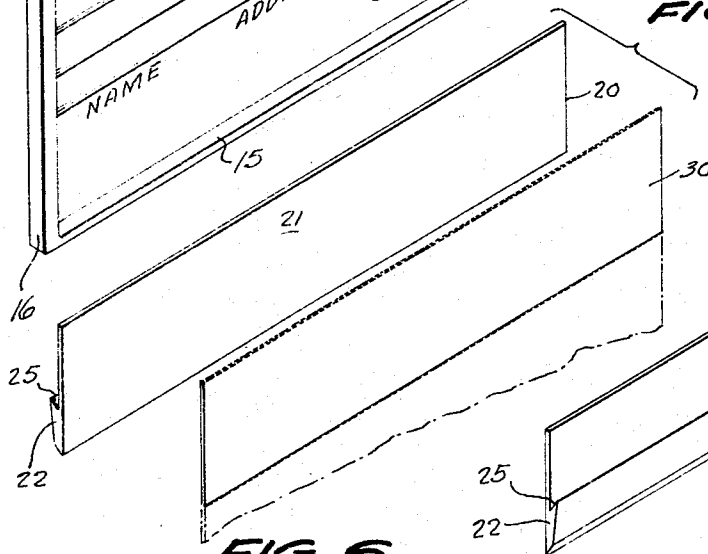


FIG. 5.

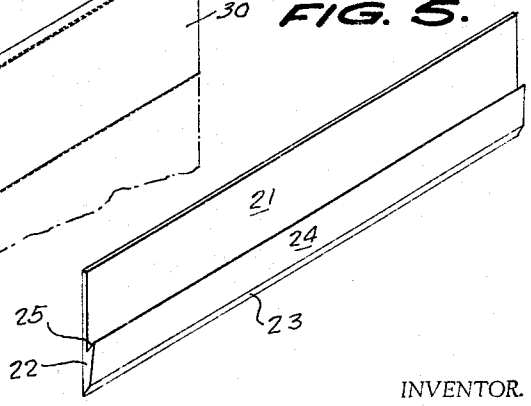
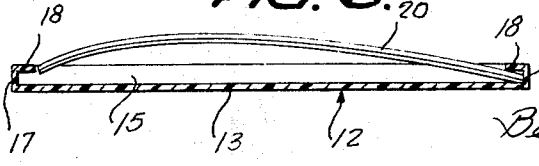


FIG. 6.



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3,283,430

STRIP HOLDER FOR INDEX BOARD

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5 Claims. (Cl. 40—124)

This invention relates to improvements in visible record equipment, and more particularly to a holder for changeable strips carrying indicia, said holder being especially useful in offset printing and similar activities.

A main object of the invention is to provide a novel and improved visible record assembly employing changeable indicia-bearing strips, such as cards carrying means or other data to be listed, in a specific order, the assembly involving relatively simple components, being arranged so that the strips therein may be rapidly and easily changed when necessary, and being arranged to hold the changeable strips firmly and securely without requiring the use of special snap fasteners or similar types of fasteners or of specially cut record cards.

A further object of the invention is to provide an improved visible record device especially useful in offset printing and similar activities, said device being inexpensive to fabricate, being durable in construction, and being arranged so that items can be added, deleted, or changed without interrupting their numerical or alphabetical order.

A still further object of the invention is to provide an improved index record strip holder adapted to carry a series of record strips or cards carrying names or similar data, arranged in a desired order, the device being relatively compact in size, being light in weight, being neat in appearance, and being arranged so that items can be added, removed or changed in order, as desired, easily and rapidly.

Further objects and advantages of the invention will become apparent from the following description and claims, and from the accompanying drawings, wherein:

FIGURE 1 is a perspective view of an improved visible record strip holder constructed in accordance with the present invention.

FIGURE 2 is an enlarged fragmentary transverse vertical cross sectional view taken substantially on the line 2—2 of FIGURE 1.

FIGURE 3 is an enlarged horizontal cross sectional view taken substantially on the line 3—3 of FIGURE 1.

FIGURE 4 is a perspective view showing one of the strip carriers and a typical record strip, as employed in the visible record device of FIGURES 1 to 3.

FIGURE 5 is a perspective view showing the forward appearance of the strip carrier of FIGURE 4.

FIGURE 6 is a horizontal cross sectional view showing the manner in which the strip carriers are inserted in the main frame member of the visible record device of FIGURES 1 to 5.

Referring to the drawings, **11** generally designates an improved visible record assembly constructed in accordance with the present invention. The assembly **11** comprises a generally rectangular tray-like rigid main frame **12** of any suitable material, such as sheet metal, molded plastic material, or the like, said main frame **12** having the generally rectangular rear wall **13**, the top and bottom walls **14** and **15** and the respective side walls **16** and **17** provided with inturned flanges **18**. As shown in FIGURE 1, the peripheral walls **14**, **15**, **16** and **17** are relatively narrow so that the tray-like body **12** is very shallow.

The body **12** is adapted to receive a plurality of horizontally extending strip carriers **20**, said strip carriers comprising horizontally elongated integral strips of suitable material, such as extruded plastic material, each member **20** comprising a plate-like main portion **21** formed with a thickened lower rib or flange **22** having an upwardly and forwardly beveled bottom edge **23** and an upwardly and forwardly inclined front surface **24**. The top edge of the rib or flange **22** is inclined downwardly and rearwardly, as shown at **25**, so as to define a substantially V-shaped recess between the top marginal portion of the front surface **24** and the adjacent vertical surface of the plate-like main body **21**.

The members **20** are substantially the same length as the distance between the side walls **16** and **17** so that they will be retained at their end portions behind the flanges **18** when they are inserted horizontally in the tray-like frame member **12**. The members **20** are relatively flexible so that they may be inserted in the frame **12** in the manner illustrated in FIGURE 6, namely, by flexing them sufficiently to engage the opposite end portions of said members **20** beneath the flanges **18**. As shown in FIGURE 2, the members **20** are inserted in the frame with the surfaces **24** of the thickened portions **22** in engagement with the forwardly facing surface of rear wall **13**, whereby the main body portions **21** of the strip carrier members **20** extend upwardly and forwardly, being inclined outwardly from the vertical. The beveled bottom edges **23** of the members **20** are receivable in the V-shaped grooves or recesses defined at the edge surfaces **25** of the subjacent members **20** in the manner illustrated in FIGURE 2.

As shown in FIGURE 2, the inclination of the surfaces **24** with respect to the associated plate-like elements **21** of the respective members **20** is relatively small, so that when the carriers **20** are assembled in the frame **12**, the top edges of the elements **21** are substantially located inside the plane of the flanges **18**, **18** and also inside the plane defined by the forward edges of the top and bottom walls **14** and **15**.

When the members **20** are assembled in the frame **12** in the manner above described, they overlap in a manner such that a substantial portion of each element **21** is exposed above the top edge of the element **21** of the subjacent strip carrier **20**. Therefore, a record strip **30**, such as is illustrated in FIGURES 1, 2, and 4 may be inserted between each pair of overlapping elements **21**, the strips **30** being substantially the same in height as the carriers **20** so that said strips are supported in the spaces between the elements **21** with their upper marginal portions exposed, and may be of sufficient height so that their bottom edges are engaged in the bottom ends of the V-shaped recesses defined between the surfaces **25** and the associated elements **21** of the respective carrier members **20**. The exposed upper marginal portions of the strips **30** may carry names, addresses, telephone numbers, or similar data to be listed, and the record strips **30** may be arranged in any desired order, for example, alphabetical or numerical order, as required. The card-like strips **30** may be easily inserted or removed, either individually, or along with their associated carriers **20**. When the carriers **20** are thus removed, the remaining carriers may be readjusted vertically because they are slidable between the flanges **18**, **18**. Thus, any desired number of carriers **20** may be employed, in accordance with the number of record strips **30** to be supported and displayed.

The record strips **30** may be of any desired length, since they are held between adjacent relatively flexible members **21**, **21**, and the record strips **30** may be of cardboard, paper, or any other suitable material.

As above pointed out, the elements **21** are of sufficient height so that they will be retained within the plane of the flanges **18**, **18** while allowing the inclined surfaces **24** to mate with and slidably engage the inside surface of the main wall **13** of frame **12**. A strip carrier **20** may be easily removed by flexing its intermediate portion outwardly sufficiently to disengage its ends from the retaining flanges **18**, **18**, thereby allowing the carrier to be

readily removed. The carrier can be reinserted by following a reverse procedure.

The record strips **30** may be made of index card stock paper to fit the lengths of the carriers **20**, and may be shorter than such lengths, as above mentioned. The information on the strips **30** may be inscribed in any suitable manner, such as by typing the information thereon. Thus, to set up a visible record assembly for reproduction, for example, by the offset method, the required number of strip carriers **20** are inserted in the frame **12** and the corresponding record strips **30** carrying the information to be listed are then inserted in the desired order. The order may be changed or lines may be deleted in the manner above described.

It will be noted that the lowermost record card or strip **30** may be retained at its ends by the flanges **18**, **18** with its upper marginal portion engaged against the outer surface of the plate-like main body **21** of the lowermost strip carrier **20**.

While a specific embodiment of an improved visible record strip holder for use in offset printing and similar activities has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention except as defined by the scope of the appended claims.

What is claimed is:

1. A visible record device comprising a rigid board having a bottom flange, side walls, and opposing inturned flange elements on said side walls, and a plurality of horizontally extending strip carriers engaged against said board, each strip carrier comprising a horizontally elongated plate-like main body having its ends received behind said inturned flange elements, each strip carrier being integrally formed with a thickened lower portion having a surface diverging upwardly relative to its plate-like main body and engaged against the board, whereby to hold the plate-like main body in an upwardly and forwardly inclined position, the strip carriers being mounted on the board in horizontally overlapping relationship with each thickened lower portion received between the board and the plate-like main body of the subjacent strip carrier and being adapted to receive record strips therebetween with the upper marginal portions of said record strips exposed.

2. A visible record device comprising a rigid board having a bottom flange, side walls and opposing inturned flange elements on said side walls, and a plurality of horizontally extending strip carriers engaged against said board, each strip carrier comprising a horizontally elongated plate-like main body having its ends received behind said inturned flange elements, each strip carrier being integrally formed with a thickened lower portion having a surface diverging upwardly relative to its plate-like main body and engaged against the board, whereby to hold the plate-like main body in an upwardly and forwardly inclined position, the strip carriers being mounted on the board in horizontally overlapping relationship with each thickened lower portion received between the board and the plate-like main body of the subjacent strip carrier and being adapted to receive record strips therebetween with the upper marginal portions of said record strips exposed, each strip carrier being formed with a longitudinal recess between its main body and the top of its thickened lower portion adapted to receive the bottom edge of an adjacent strip carrier.

3. A visible record device comprising a rigid board having a bottom flange, side walls, and opposing inturned flange elements on said side walls, and a plurality of horizontally extending strip carriers engaged against said board, each strip carrier comprising a horizontally elongated plate-like main body having its ends received behind said inturned flange elements, each strip carrier being integrally formed with a thickened lower portion having a surface diverging upwardly relative to its plate-like main body and engaged against the board, whereby to hold the plate-like main body in an upwardly and forwardly inclined position, the strip carriers being mounted on the board in horizontally overlapping relationship with each thickened lower portion received between the board and the plate-like main body of the subjacent strip carrier and being adapted to receive record strips therebetween with the upper marginal portions of said record strips exposed, each strip carrier being formed with a V-shaped longitudinal recess between its main body and the top of its thickened lower portion, and each strip carrier having a beveled bottom edge nestingly receivable in the V-shaped recess of the subjacent strip carrier.

4. A visible record device comprising a rigid board having a bottom flange, side walls and opposing inturned flange elements on said side walls, a plurality of horizontally extending strip carriers engaged against said board, each strip carrier comprising a horizontally elongated plate-like main body having its ends received behind said inturned flange elements, each strip carrier being integrally formed with a thickened lower portion having a surface diverging upwardly relative to its plate-like main body and engaged against the board, whereby to hold the plate-like main body in an upwardly and forwardly inclined position, the strip carriers being mounted on the board in horizontally overlapping relationship with each thickened lower portion received between the board and the plate-like main body of the subjacent strip carrier, and record strips engaged between the strip carriers and being of sufficient height so that their upper portions are exposed.

5. A visible record device comprising a rigid board having a bottom flange, side walls and opposing inturned flange elements on said side walls, a plurality of horizontally extending strip carriers engaged against said board, each strip carrier comprising a horizontally elongated plate-like main body having its ends received behind said inturned flange elements, each strip carrier being integrally formed with a thickened lower portion having a surface diverging upwardly relative to its plate-like main body and engaged against the board, whereby to hold the plate-like main body in an upwardly and forwardly inclined position, the strip carriers being mounted on the board in horizontally overlapping relationship with each thickened lower portion received between the board and the plate-like main body of the subjacent strip carrier, each strip carrier being formed with a V-shaped longitudinal recess between its main body and the top of its thickened lower portion, and each strip carrier having a beveled bottom edge nestingly receivable in the V-shaped recess of the subjacent strip carrier, and record strips engaged between the strip carriers with their bottom edges received in said V-shaped recesses, the record strips being substantially of the same height as the strip carriers so that their upper portions are exposed above the top edges of the main bodies of the subjacent strip carriers.

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