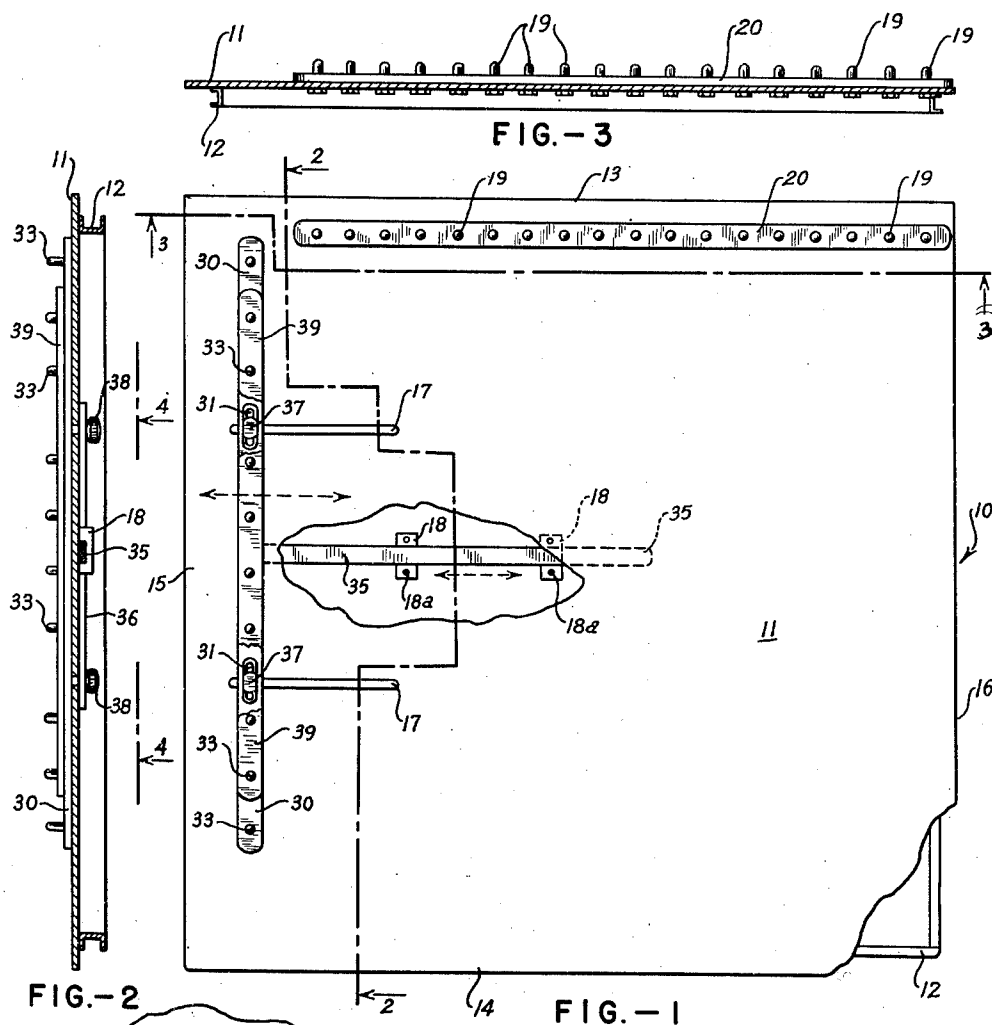
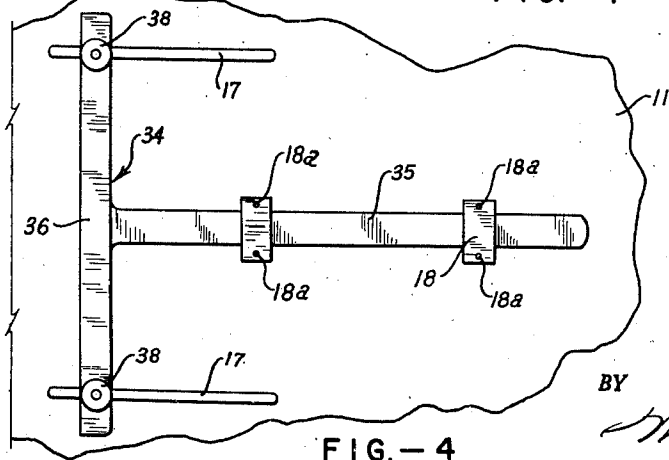


Filed March 26, 1949

T. C. GRIFFIN
ORDER BOARD

2 SHEETS—SHEET 1



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May 5, 1953

T. C. GRIFFIN
ORDER BOARD

2,637,570

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2 SHEETS—SHEET 2

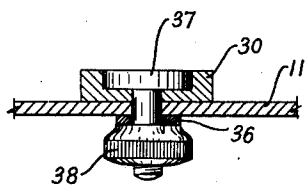


FIG. - 6

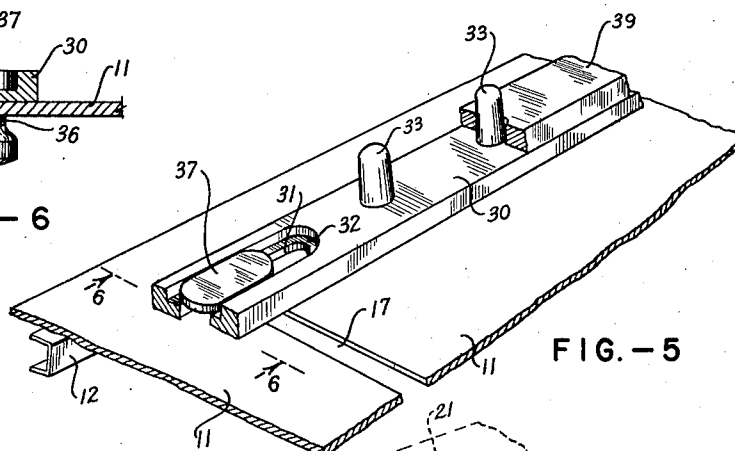


FIG. - 5

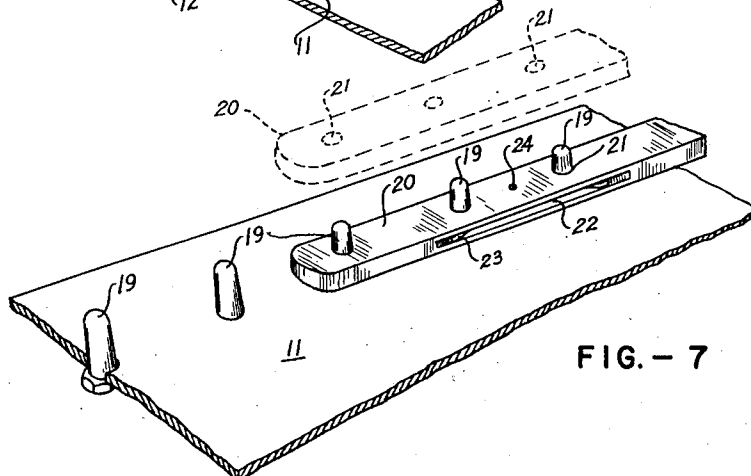


FIG. - 7

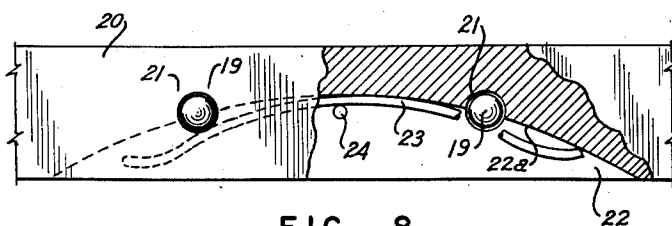


FIG. - 8

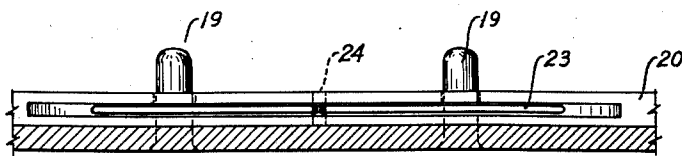


FIG. - 9

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2,637,570

ORDER BOARD

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6 Claims. (Cl. 281—1)

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The present invention relates to an order board. It has to do particularly, although not exclusively, with a board which may be used to adjustably and conveniently position separate order forms, or the like, with respect to the lines and columns on the separate forms.

The present invention is related generally to the invention embraced by my co-pending application, Serial No. 46,647, filed August 28, 1948 and is, in effect, an improvement upon that invention.

One of the objects of the present invention is to provide an improved order board having means for supporting in flatwise condition two groups consisting of separate or individual order forms in such a manner as to permit the forms of one group to be easily and quickly adjusted with relation to the forms of another and different group so as to properly line up or position the lines or rows of items and the columns of items on the separate order forms.

Another object of the present invention is to provide an order board of the foregoing character having along its upper edge a plurality of members to which order forms may be removably attached and held against accidental displacement, and wherein another plurality of means or members for attaching order forms is disposed along and adjacent to the left edge of the board, both of said means including removable members, such as bars or strips, for maintaining the order forms in position against accidental displacement or rearrangement, and said last-named means being adjustable lengthwise thereof in a plane which is substantially parallel to the plane of the left side edge of the board and also in a substantially right-angularly disposed plane extending between the left-hand edge of the board and the right-hand edge thereof, whereby to permit lines or rows of items and columns on the different order forms to be arranged in cooperative relationship with those or other forms, as desired.

A further object of the present invention is to provide an improved order board in which a plurality or series of pin or peg members for supporting order forms is disposed on the board adjacent the upper edge thereof and extends substantially throughout its entire width, for receiving and supporting a series of order forms which may be shifted transversely manually to different positions overlying the board, and in which a plurality of similar means is provided along the left edge of the board, said last-named means being disposed at substantially a right angle to the first-named means, and wherein the

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last-named means is adjustable in a plane substantially parallel to the left edge of the board and also in a plane arranged at substantially a right angle to said edge to permit the positioning of order forms attached to the last-named means adjustably with relation to order forms attached to the first-named means.

Another object of the present invention is to provide an order form-holding member for use in connection with the series of pins or pegs of the improved order board as set forth above, in which the member includes friction-creating means to releasably maintain the order forms in their proper positions with relation to the order board; it being a further object of the present invention to provide order form-holding means comprising a series of pins or pegs carried either by the board itself or by an elongated plate mounted on the board and cooperating removable holding bars or members having pin or peg-receiving sockets formed therein to maintain order forms in position upon the board against accidental displacement; it being a still further object of the invention to provide the pins or pegs, or the holding bars, or both, with friction-creating means to releasably maintain the parts together against accidental separation or displacement.

The foregoing and other objects and advantages of the present invention will appear from the following description and appended claims when considered in connection with the accompanying drawings forming a part of this specification, wherein corresponding reference characters designate corresponding parts in the several views.

In said drawings:

Fig. 1 is a top plan view, partly broken away, of an order board embodying the present invention.

Fig. 2 is a sectional view taken substantially along the line 2—2 of Fig. 1, looking in the direction of the arrows and toward the left-hand edge of the board.

Fig. 3 is a sectional view taken substantially along the line 3—3 of Fig. 1, looking in the direction of the arrows and toward the upper edge of the board.

Fig. 4 is a fragmentary bottom plan view, on an enlarged scale, taken in the vicinity of and substantially along the line 4—4, looking in the direction of the arrows and toward the bottom of the board as seen in Fig. 2.

Fig. 5 is an enlarged scale fragmentary perspective view, partly broken away, illustrating

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some of the details of the board including the two-way adjustable order form-supporting means disposed adjacent the left edge of the board.

Fig. 6 is an enlarged scale detail sectional view of the means for securing the parts of the adjustable order form-supporting means together, taken substantially along the line 6—6 of Fig. 5, looking in the direction of the arrows.

Fig. 7 is a perspective view generally similar to that shown in Fig. 5 but showing some of the details of the structure including the order form-holding means which is adapted to be disposed adjacent the upper edge of the board, as seen in Figs. 1 and 3.

Fig. 8 is an enlarged fragmentary top plan view, partly broken away, of the order form-holding means arranged adjacent the upper edge of the board and illustrating one form of friction-creating means embodying the present invention; and

Fig. 9 is a longitudinal vertical sectional view, partly in elevation, and partly broken away, of the structure shown in Fig. 8.

Before explaining in detail the present invention it is to be understood that the invention is not limited in its application to the details of construction and arrangement of parts illustrated in the accompanying drawings, since the invention is capable of other embodiments and of being practiced or carried out in various ways. It is to be understood also that the phraseology or terminology employed herein is for the purpose of description and not of limitation, and it is not intended to limit the invention claimed herein beyond the requirements of the prior art.

Generally speaking, the present invention provides an improved order board having means located adjacent its upper edge for supporting a series of order blanks, said means including a series of pins or pegs and a removable or detachable socketed member adapted to fit over the pins or pegs and be brought into contact with the blanks while in their flatwise supported positions to hold them in said positions against accidental displacement or removal, together with separate means located adjacent the left edge of the board for receiving and supporting another series of order blanks in position inwardly from but adjacent the left-hand edge of the order board, said last-named or separate means being adjustable in two directions, namely in a plane which is substantially parallel to the plane of the left edge of the board so as to properly align the lines of the order blanks with corresponding lines of the order blanks carried by the first-named means adjacent the upper edge of the board and also being adjustable or having movement, as a whole, in a plane which is substantially perpendicular to the plane of the first-named movement, whereby to permit the alignment of columns on the order blanks of the two series.

Furthermore, the invention consists of providing each set of blank-receiving and supporting means or members with a removable or detachable clamping or holding bar which is adapted to be brought into engagement with the pin-supported order forms to hold them in position against accidental displacement, there being friction-creating means forming a part of the clamping bars to hold them in operative position. It will be understood that a large number of separate order forms, or the like, may be supported by the horizontally disposed holding means and a separate group of order forms supported by the vertically disposed holding means, said last-

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named means being adjustable to permit the second group of order forms to be correlated with the first group of order forms. Thus, it will be seen that, broadly speaking, the present order board comprises a fixed series of members adjacent its upper edge for supporting one or a large number of order forms in the desired position or positions, and a two-way adjustable order form-supporting unit for supporting a second group of order forms. The use and/or operation of the order board of the present invention will be apparent as the following description proceeds.

Referring now to the drawings, 10 represents as a whole, the order board embodying the present invention. As shown, the board includes a substantially flat and smooth base portion 11 having on its under side a marginally arranged series of channel-like members, or strips 12 which serve to support the board upon a surface. The base portion 11 of the board may be formed from plastic, wood, metal, or any suitable composition, with the channel-shaped members 12 being, preferably, formed from aluminum, aluminum alloy, or some other suitable strong and durable but relatively lightweight material.

For convenience in describing the invention and in interpreting the claims at the end of this specification, the board may be said to have an upper horizontal edge 13, a lower horizontal edge 14, a left-hand vertical edge 15 and a right-hand vertical edge 16.

As seen in Figs. 1 and 4, the base portion 11 of the board is provided with a pair of spaced substantially parallel slots or elongated openings 17 whose outer or left ends are located, as shown, adjacent to the left-hand so-called vertical edge 15 of the board. The base portion 11 on its under face is provided with a pair of strap-like members or guides 18 which may be held in place by rivets, screws, or the like 18a. These guide members 18 are disposed in spaced relationship and in a horizontal plane which extends in substantial parallelism to the horizontal planes of the slots 17.

The base portion 11, as shown, is provided adjacent its upper edge 13, with a row of upright spaced pins or pegs 19 which, as shown, are disposed adjacent the upper edge 13 of the board and extend from the right-hand vertical edge 16 to a point somewhat short of the left-hand vertical edge 15 of the board. These spaced pins or pegs 19 provide means for receiving and removably supporting order forms (not shown) which, when engaged with the pins, will lie flat upon the base or surface 11. It is desirable to provide means for maintaining the order forms in position upon the pins or pegs 19 so that they will not be accidentally displaced or removed from contact with the pins. For this purpose, I have provided an elongated member or relatively flat holding bar 20 which is provided with a series of sockets or openings 21 to receive the upstanding pins or pegs 19. To prevent the bar or member 20 from becoming accidentally dislodged from its position in engagement with pins 19, friction-creating means is, preferably, incorporated in said bar. This means may vary from that illustrated in the present drawings, such means being shown merely by way of example as suitable means for this purpose.

With particular reference to Fig. 7 of the drawings, one end portion of bar 20 is shown in detail therein. That portion of the bar illustrated is provided with only three of the spaced openings

or sockets 21 which receive the upstanding pins or pegs 19. Of those shown, two adjacent sockets 21 are, preferably, interconnected by an elongated groove 22 formed in the side edge of the bar and within which a normally bowed wire 23 is disposed. It will be noted that the groove 22 has a concave inner wall or surface 22a, see Fig. 8, against which the wire member 23 floatingly rests and fulcrums. To prevent the spring member 23 from becoming displaced from within the groove, a positioning pin 24 is driven through bar 20 and contacts the wire, as clearly seen in Fig. 8. Thus, it will be seen that the friction-creating means, namely the bowed wire 23 is capable of rocking movement and flexing when the studs or pins 19 enter the sockets or holes 21 in member 20. The parts are so arranged and proportioned that in its normal condition, portions of wire 23 will extend partially into the sockets or openings 21 and when the studs or pins 19 enter the sockets, those portions of the wire will frictionally engage them and thus serve to hold the parts together against accidental displacement. The structure of the friction-creating means is clearly illustrated in Figs. 7, 8 and 9.

For bar 20 which is disposed adjacent the upper edge 13 of the board, two such bowed spring members 23 have proven to be adequate for properly holding the member 20 in position upon the pins or pegs 19, one such spring member being disposed adjacent each end of the bar 20. The number of such friction-creating means employed may vary in accordance with the requirements and with the size of order board with which they are employed.

While the pins or pegs 19 have been shown as being secured directly to the base portion 11 of the board, these pins or pegs may be attached to a separate plate or strip (not shown) which may in turn be mounted upon the base.

I shall now describe in detail the means for securing a second series of order forms in position adjacent the left-hand vertical edge 15 of the board. In accordance with my invention, this means comprises, as shown, an elongated metal plate 30, see Figs. 1, 2 and 5, the plate being provided at spaced points with slots 31 surrounded by marginal recesses or recessed portions 32, one such being clearly shown in Fig. 5. The elongated plate or member 30 carries a series of upstanding pins or pegs 33. Mounted beneath or at the under face of base 11 and cooperating with the horizontal substantially parallel slots 17 and the guides 18, is a T-shaped frame member, shown as a whole at 34, and having a long leg 35 which engages and is slidable in the guides 18, and a cross member or head portion 36 which extends between and beyond, and which also underlies the horizontally disposed slots 17. The portion 36 of the T-shaped member 35 is connected with the plate 30 through the medium of bolt members 37 the heads of which are shaped to fit slidably in the marginal recesses 32 and which extend downwardly through the horizontal slot 17 and receive a knurled nut, tightening member, or finger piece 38, see particularly Figs. 5 and 6.

Thus, by loosening the knurled member 38, the pin or peg-carrying plate 30 may be slid or adjusted lengthwise toward or away from the upper edge 13 of the board, the movement being in a predetermined straight path. Moreover, when the nuts are loosened, the T-shaped member 34 may be slid crosswise of the board toward or away from the left edge 15 or the right edge 16.

This movement, of course, effects the simultaneous and like movement of the pin or peg-carrying elongated plate or member 30.

While the member 30 and the spaced pins 33 provide means for supporting a number of order forms, it is desirable to provide additional means to prevent these forms from becoming accidentally shifted or displaced from their position upon member 30. For this purpose, a socketed bar 39 is, preferably, provided, this bar being substantially like bar 20 referred to above. That is to say, the removable bar 39 is provided with sockets or openings which register with and receive the pins 33, with one or more of said sockets or openings being interconnected by a longitudinal slot, such as slot 22 of Figs. 7, 8 and 9, the slot carrying a friction member, such as the bowed wire 23, which may be held in place for rocking and flexing movement by a pin similar to pin 24 of bar 20. In other words, bar 39 is provided with friction-creating means for engaging the pins or studs 33 in substantially the same manner as is the bar 20.

In use, a number of order forms (not shown) may be carried by the pins 19 which extend along the upper portion of the base 11 and are removably held in place by the removable clamping bar or holder 20. Another group of order forms (not shown) is placed upon the pins or studs 33 and are held in place by the removable clamping member, or holder bar 39. By loosening the nuts or finger pieces 38, the members 30 and 39 may be shifted as a unit up and down or vertically with relation to the base, or crosswise or horizontally with relation to the base so as to properly position the order forms carried thereby with relation to the order forms carried by the members 19 and 20.

I have provided a lightweight yet strong and durable portable order board which is of relatively simple construction and, therefore, relatively inexpensive to manufacture which facilitates such operations in connection with warehousing practices, as checking separate invoices, order blanks, inventory reports, and bills of lading one against the other so as to assure accuracy in posting. By virtue of the present invention, the operation is greatly speeded up and may be done much more efficiently than in the past.

Having thus described the invention, what is claimed is:

1. In an order board assembly for use in positioning order forms and the like, in which the assembly includes a flat base portion having marginal supporting means on its under surface and a plurality of spaced pins carried by the base portion extending along, adjacent, and substantially parallel to the upper edge of the base portion, and in which a bar having a plurality of holes adapted to register with said pins is removably mounted upon the pins to hold order forms in place upon the board, said bar having friction-creating means for maintaining it in position against accidental removal from the pins, the improvement which comprises an elongated plate mounted upon the base portion adjacent the left side edge thereof and adjustable relatively to the base portion and said spaced pins in two directions at substantially a right angle to one another, said elongated plate having a plurality of pins projecting outwardly therefrom for receiving and holding order forms, the adjustability of said plate permitting the last-named order forms to be aligned as to the columns and lines of figures thereon with the corresponding columns

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and lines of figures of the order forms held in position upon the base by the first-named spaced pins and bar.

2. In an order board assembly for use in positioning order forms and the like in which the assembly includes a flat base portion having supporting means on its under surface and a horizontal row of spaced order-receiving and supporting pins arranged adjacent the upper edge of the base portion, the improvement which comprises vertically disposed means arranged adjacent a side edge of the base portion for receiving and removably supporting other order forms, said vertically disposed means including a plurality of spaced pins, said means being adjustable vertically and horizontally with relation to the supporting base whereby to permit the cooperating alignment as to rows and columns of figures on the last-named order forms with the corresponding rows and columns of figures of the first-named order forms, and separate removable means releasably engaging the separate rows of pins for maintaining the separate groups of order forms in position upon the base portion against accidental displacement.

3. In an order board assembly for use with order forms and the like in which the assembly includes a relatively flat base portion having supporting means on its under surface and a plurality of spaced pins projecting upwardly from the base portion for receiving and removably supporting order forms, and in which the assembly includes a removable bar having a plurality of sockets for receiving said pins and for maintaining the order forms in position upon the base portion, the improvement which comprises a base plate disposed adjacent the left edge of the base portion and extending substantially perpendicularly to the first-named order form-supporting means and having a plurality of spaced pins and a removable bar provided with a series of sockets formed therein cooperable with the pins for maintaining order forms in flatwise position upon said plate and base portion, said last-named order form-supporting means being adjustable lengthwise in a plane substantially parallel to the plane of the left side edge of the base portion and also being adjustable in a plane substantially parallel to the plane of the top edge of said base portion.

4. In an order form-holding device adapted to be applied to the relatively flat base portion of an order board and being adjustable in two right angularly disposed directions with relation to the base portion of the board, including a substantially T-shaped frame member disposed against the under surface of the base portion, the improvement which comprises an elongated plate disposed above the head portion of the T-shaped frame at the top side of said base portion, said elongated plate having a plurality of spaced pins projecting outwardly therefrom, and a bar having a plurality of sockets formed therein for the reception of said pins, said bar having means for frictionally engaging certain of said pins whereby to hold the bar flatwise upon the elongated plate with order forms disposed therebetween.

5. In an order board assembly for use with order forms and the like in which the assembly includes a relatively flat base portion having channel-like marginal supporting means on its under surface and a plurality of spaced pins projecting outwardly from the top surface of the base portion and arranged in a row along, adjacent,

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and substantially parallel to the upper edge of said base portion, in which the assembly includes a removable bar having a plurality of sockets formed therein adapted to register with said pins and removably mounted upon the pins to hold order forms in flatwise position upon the board, said removable bar having adjacent certain of said sockets friction-creating means for engagement with certain of said pins to maintain the bar in position against accidental removal from the pins, and in which said base portion has a pair of substantially parallel slots formed therein adjacent the left side edge thereof and extending substantially perpendicularly to said side edge, the improvement which comprises an elongated plate having a plurality of spaced pins projecting outwardly therefrom mounted on the board and extending in a plane substantially parallel to the plane of the left side edge and substantially perpendicularly to the upper edge of the board, said elongated plate extending between and beyond the parallel slots and overlying them, a pair of guide members disposed in spaced relationship upon the under surface of the base portion and substantially parallel to and intermediate the plane of the parallel slots, a substantially T-shaped member having its long leg positioned within the guide members to permit the T-shaped member to be moved in a fixed path from a position adjacent the left edge of the base portion toward the right edge of said base portion, said elongated plate having a pair of spaced slots formed therein, said slots being adapted to register with the parallel slots in said base portion, and means for connecting the head portion of the T-shaped member with the elongated plate, said means extending through the parallel slots and engaging the slots in said plate, whereby to permit movement of the elongated plate member in a path substantially paralleling the left edge of the base portion and also in a path substantially perpendicular thereto to permit the elongated member and the T-shaped member to be shifted as a unit toward the right side edge of the base portion.

6. In an order board assembly for use with order forms and the like in which the assembly includes a relatively flat base portion having channel-like marginal supporting means on its under surface and a plurality of spaced pins projecting outwardly from the top surface of the base portion and arranged in a row along, adjacent, and substantially parallel to the upper edge of said base portion, in which a removable bar having a plurality of sockets formed therein adapted to register with said pins is removably mounted upon the pins to hold order forms in flatwise position upon the board, said bar having adjacent certain of said sockets friction-creating means for engagement with certain of said pins to maintain the bar in position against accidental removal from the pins, and in which said base portion has a pair of substantially parallel slots formed therein adjacent the left side edge thereof and extending substantially perpendicularly to said side edge, the improvement which comprises an elongated plate having a plurality of spaced pins projecting outwardly therefrom mounted on the board and extending in a plane substantially parallel to the plane of the left side edge and substantially perpendicularly to the upper edge of the board, said elongated plate extending between and beyond the parallel slots and overlying them, a pair of guide members disposed in spaced relationship upon the under surface of the base

portion and arranged in a plane substantially parallel to and intermediate the plane of the parallel slots, a substantially T-shaped member having its long leg positioned within the guide members to permit the T-shaped member to be moved in a fixed path from a position adjacent the left edge of the base portion toward the right edge of said base portion, said elongated plate having a pair of spaced slots formed therein, said slots being adapted to register with the parallel slots in said base portion, means for connecting the head portion of the T-shaped member with the elongated plate, said means extending through the parallel slots and engaging the slots in said plate, whereby to permit movement of the elongated plate member in a path substantially paralleling the left edge of the base portion and also in a path substantially perpendicular thereto to permit the elongated member and the T-shaped member to be shifted as a unit toward the right side edge of the base portion, and a removable bar having a plurality of sockets formed therein removably engaging the elongated member to hold order forms in flat-wise position

therebetween, said bar being provided with friction-creating means in the vicinity of certain of said sockets, said means being adapted to engage certain of said pins to prevent the accidental displacement of the bar.

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