Oct. 21, 1969 H. R. ANKRUM 3,473,249

DISPLAY DEVICE AND SUPPORT

Filed March 8, 1967

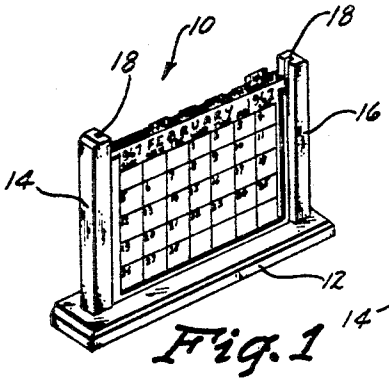


Fig. 1

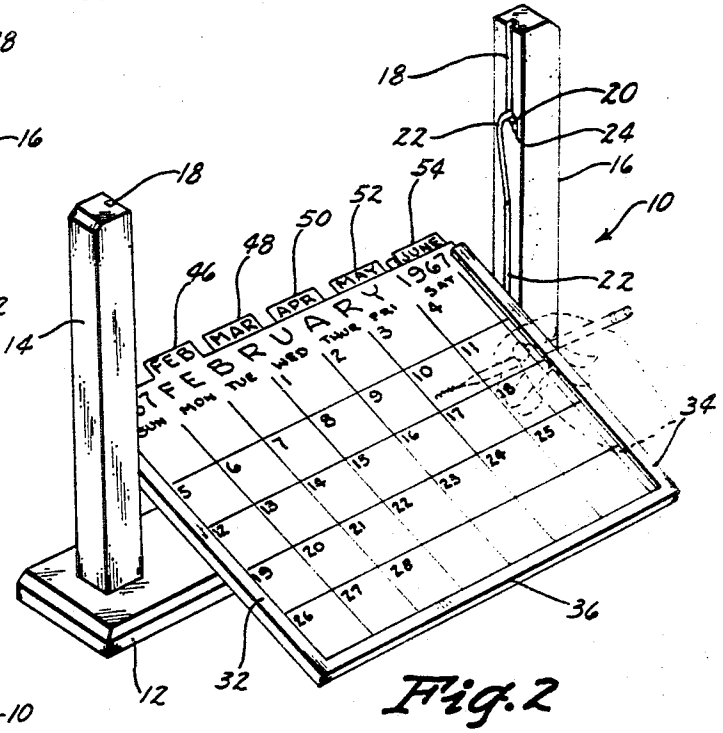


Fig. 2

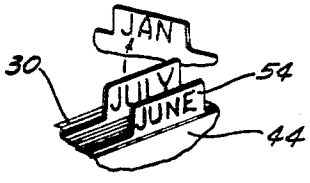


Fig. 4

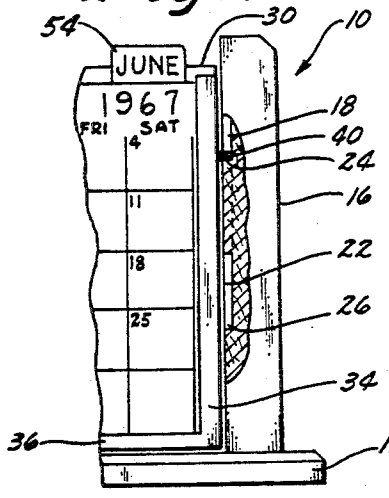


Fig. 3

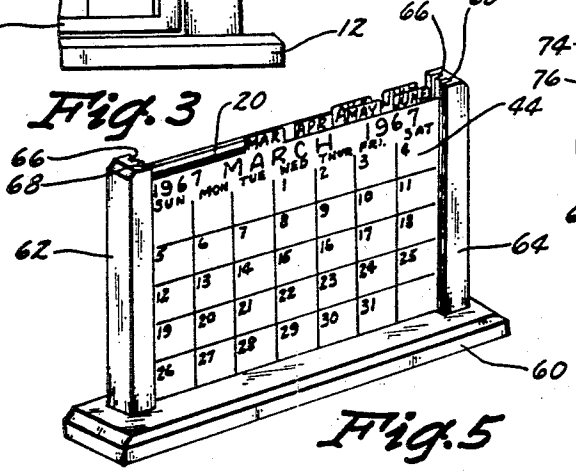


Fig. 5

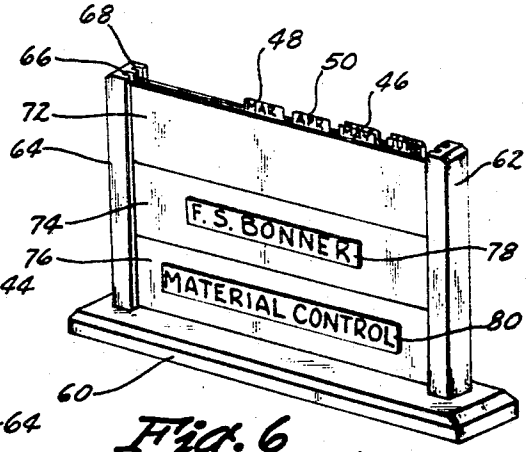


Fig. 6

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DISPLAY DEVICE AND SUPPORT

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ABSTRACT OF THE DISCLOSURE

A device having a pair of upright members for holding a display panel which in one embodiment is movable between a vertical upright position to a lowered angularly disposed position suitable for writing on the panel. The panel display member is adapted to receive a plurality of sheets of paper arranged in a sequential order, the plurality of sheets being limited to half the number of sheets in the sequence with the identifying indicia on opposite sides of each sheet being spaced apart one-half the total units in the total sequence. A series of vertically arranged decorative panel portions may be positioned on the back side of the display panel.

Two items which appear on many office desks are calendars and name plates. This invention combines in one of its uses a calendar panel having the entire month appearing on one side of a calendar sheet and display panel portions on the back side of the calendar panel. The display panel portions may include the person's name and title for example and may be removed and rearranged as desired. Other ornamental or decorative material may be included on one of the panel portions. The calendar sheets are limited to six since the months appearing on the front and back of each sheet are six months apart i.e. January and July. Thus the calendar sheets are arranged in sequential order and as each month ends a sheet is removed from the front and moved to the back and rotated so that the month on the back side will appear when it is again reached in sequence. Thus, a perpetually revolving calendar is provided with a minimum of sheets.

It is frequently desirable to write appointments or the like on individual spaces for days of the month and when the calendar panel is in its vertical position this is most difficult if not impossible; however, by the construction of this display device it is possible to readily move the calendar panel downwardly into a generally horizontal plane making it very convenient to write on the face of the exposed calendar sheet. The calendar panel may then be returned to its upright vertical position which occupies a minimum of space. The display device has the capability of moving the calendar panel from a vertical position to a generally horizontal position by virtue of laterally outwardly extending pins which are received in vertical grooves in the adjacent uprights. A portion of each of the grooves has a dead end and is located in a position such that the calendar panel is held in a vertical position. When the calendar panel is in its lowered generally horizontal position, the lower end edge of the panel may rest on the desk or table top while the upper end is supported on the pins in the lower ends of the grooves formed in the upright members.

These and other features and advantages of this invention will become readily apparent to those skilled in the art upon reference to the following description when taken into consideration with the accompanying drawings, wherein:

FIG. 1 is a perspective view of the display device of this invention showing a perpetual calendar on one side of the display device;

FIG. 2 is an enlarged perspective view of the display device with the calendar panel in a lowered generally horizontal position for convenience of writing on the calendar sheets;

FIG. 3 is a fragmentary elevation view of the display device of FIGS. 1 and 2 and showing in particular the pin and groove connection between the display panel and the uprights on opposite side edges;

FIG. 4 is a fragmentary perspective view of the identifying tabs provided on the calendar pages to indicate the month of the year for each page wherein each page has one month on each side, the two months being six months apart;

FIG. 5 is a perspective view of an alternate embodiment of this invention showing one side having the calendar panel; and

FIG. 6 is a perspective view similar to FIG. 5 of the display panel of FIG. 5 but showing the rear side which includes display panel portions.

The display panel of this invention is generally referred to in FIG. 1 by the reference numeral **10** and includes a base member **12** having a pair of spaced apart upright members **14** and **16**.

As seen in FIGS. 2 and 3, each of the uprights **14** and **16** have grooves running lengthwise thereof which include an upper centrally disposed groove portion **18** which is in communication with a shoulder or stop groove portion **20** and a second groove portion **22** which extends on downwardly on the upright members. The end of the groove portion **20** terminates in a shoulder **24** and the end of the groove portion **22** terminates in a shoulder **26**. The shoulder **24** is located in the top half of the uprights **14** and **16**.

Between the upright members **14** and **16** is a flat panel member **30** which is provided with a flange on its front face along its peripheral edges which includes vertical portions **32** and **34** which interconnect with a bottom portion **36**.

A support pin **40** is mounted on each end of the panel **30** in the upper half and is movable in the grooves **18**, **20** and **22** such that the pin **40** may hold the panel **30** in a vertical position as seen in FIG. 1 by the pin resting on the shoulder **24** in the groove **20** or hold the panel at an angular generally horizontal position of FIG. 2 with the pin **40** resting on the bottom end **26** of the groove **22**. It is seen that the panel **30** is freely pivotal when in its upright position of FIG. 1 and is appropriately balanced to be maintained in a vertical plane until moved to its lowered writing position of FIG. 2.

Six sheets of calendar pages **44** are inserted on the front side of the panel member **30** under the flanges **32**, **34** and **36** and are arranged in sequential order of the months of the year. A tab **46** extends upwardly from each of the sheets and has indicated thereon the month for each side of the sheet. The month on one side is six months spaced apart from the month on the opposite side as seen in FIG. 4 wherein July is on one side and January is on the reverse side. Accordingly, as a sheet is removed it is turned over and placed at the rear of the stack of sheets against the panel **30** and this sequence is continued for a full year. Accordingly, it is seen that a twelve month calendar may be represented on only six sheets by utilizing the front and rear sides of each sheet. Tabs similar to tab **46** are provided on the other sheets and are indicated by the reference numerals **48**, **50**, **52** and **54** and are staggered along the top edge of the panel so that they are all exposed from the front side.

In the embodiment of this invention illustrated in FIGS. 5 and 6 a base portion **60** is provided with upright side members **62** and **64** each having a pair of vertical grooves **66** and **68**. The grooves **66** and **68** respectively in the upright members **62** and **64** are in alignment with each other. A flat panel board **70** is provided in the groove **68** and

provides a back panel for the calendar sheets **44** which are arranged in the grooves **68** in a manner similar to the arrangement of the calendar pages **44** on the panel **30** of the embodiment in FIG. 1. The rear grooves **66** are shown holding the panel portions **72**, **74** and **76** which may be arranged in any desired vertical order and may have any desired height. As seen in FIG. 6 a name plate **78** is provided on the center panel portion **74** and the title of the person is shown on a plate **80** below the center panel portion **74**. The upper panel portion **72** is blank and provides a decorative effect. It is understood that with the display device of FIGS. 5 and 6 that when placed on a person's desk the panel portions **72**, **74** and **76** would be exposed from the front of the desk while the calendar pages **44** would be in view of the person sitting at the desk.

Some changes may be made in the construction and arrangement of my display device without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims, any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

1. A display device, comprising,

a frame having a pair of spaced apart upright members,

a flat display member, and

connecting means detachably connecting said display member between and to each of said upright members,

said display members being pivotal on said connecting means for positioning said display member in an upright position in the plane of said upright members movable to a second position with said display member extending at an angle to the plane of said upright members, said connecting means including means to lower said display member with respect to said upright members when said display member is moved to its second position, the plane of said display member intersecting the plane of said upright members between the mid-points of said upright members and the lower ends thereof when said display member is in its second position.

2. The structure of claim **1** wherein said connecting means includes a pin and groove connection between each side of said display member and the adjacent upright member.

3. The structure of claim **2** wherein said groove extends lengthwise of each of said upright members and a pin is secured to each side of said display member and is received in the adjacent groove.

4. A display device, comprising,

a frame having a pair of spaced apart upright members,

a flat display member, and

connecting means detachably connecting said display member between and to each of said upright members,

said display member being pivoted on said connecting means for positioning said display member in an upright position in the plane of said upright members movable to a second position with said display member extending at an angle to the plane of said upright members,

said display members being movable downwardly between said upright members when being moved to said second position,

said connecting means including a pin and groove connection between each side of said display member and the adjacent upright member,

said groove extending lengthwise of each of said upright members, a pin secured to each side of said display member and being received in the adjacent groove,

said pins being mounted on said display members between the top edge and the horizontal center line of said display member.

5. The structure of claim **4** wherein stop means is provided for limiting the lowering of said display member between said upright members, said stop means limiting the travel of said pins in said grooves, and means for releasably holding said pins in said grooves against vertical movement when said display panel is in said upright position.

6. The structure of claim **5** wherein said means for releasably holding said pins in said grooves is further defined as a dead end groove portion communicating with each of said grooves, the lowest point on said dead end grooves being at a vertical height sufficient to hold said display panel upright in the plane of said upright frame members.

7. A display device, comprising,

a frame having a pair of spaced apart upright members,

a flat display member, and

connecting means detachably connecting said display member between and to each of said upright members,

a plurality of sheets of display material being positioned on said display member, each sheet having identifying indicia on each side thereof to indicate the content of copy on the respective sides of said sheets, said indicia having a sequential order and said plurality of sheets being limited to half the number of sheets in said sequence, the indicia on opposite sides of each sheet being spaced apart one half the total units in the total sequence,

said display member being pivotal on said connecting means for positioning said display member in an upright position in the plane of said upright members movable to a second position with said display member extending at an angle to the plane of said upright members, said connecting means including means to lower said display member with respect to said upright members when said display member is moved to its second position, the plane of said display member intersecting the plane of said upright members between the mid-points of said upright members and the lower ends thereof when said display member is in its second position.

References Cited

UNITED STATES PATENTS

1,778,728	10/1930	Raskin	40—152.1
2,416,976	3/1947	Barbieri	40—152.1
2,191,373	2/1940	Dankanyin	40—152.1
2,512,519	6/1950	Covington et al.	
2,892,275	6/1959	Woofter	40—122

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