Oct. 15, 1963 A. D. GAWTHROP 3,106,799

DATA SHEET HOLDER

Filed April 7, 1961

FIG. 1

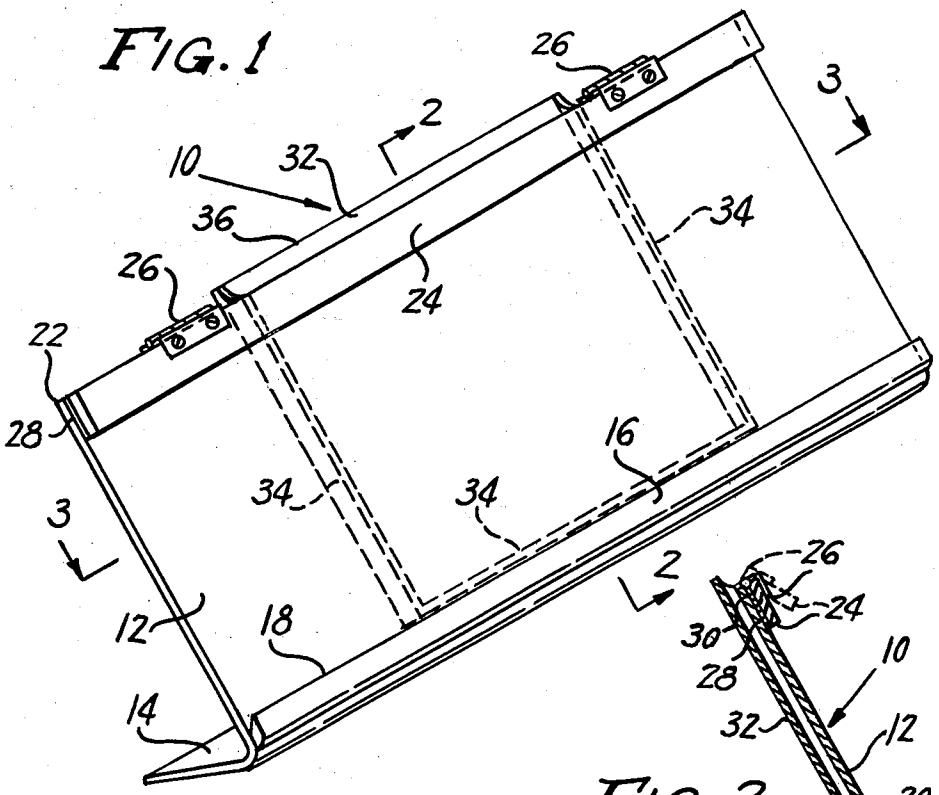


FIG. 2

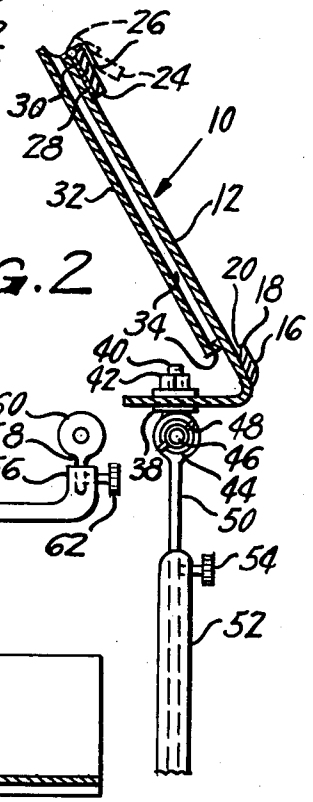
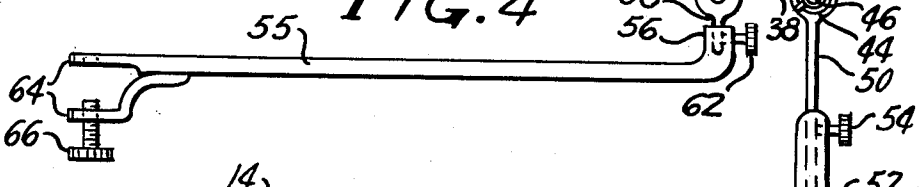


FIG. 4



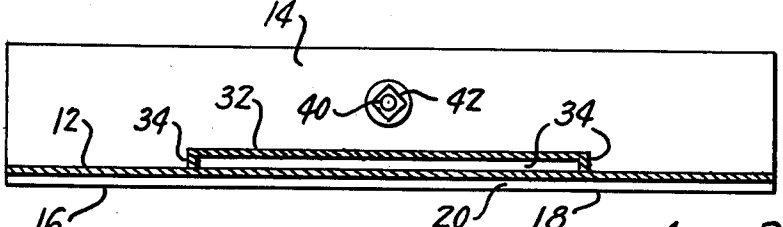


FIG. 3

INVENTOR.
ASA D. GAWTHROP
BY
Gustave Miller
ATTORNEY.

United States Patent Office

3,106,799

Patented Oct. 15, 1963

3,106,799

DATA SHEET HOLDER

Asa D. Gawthrop, R.F.D. 3, Box 268, Bridgeport, W. Va.

Filed Apr. 7, 1961, Ser. No. 101,539

5 Claims. (Cl. 45—82)

This invention relates to a data sheet holder and has for an object to provide a data sheet holder particularly useful in service shops along with various kinds of appliances, particularly including electrical appliances, such as radio and television sets, whereby the service technician may readily store and also hold data sheets such as blueprints, diagrams, drawings and other schematics in a convenient position for being observed while leaving his hands free for service on the appliance.

A further object of this invention is to provide a data sheet holder having a means for securing a data sheet in observable position on the forward face thereof and having additional means for storing additional data sheets on the rear surface of the same sheet holder.

A further object of this invention is to provide a data sheet holder particularly intended for standard data sheets and schematics providing service information such as is available with all types of appliances and machines, so that the service technician or the machinist can have his data in readily viewable position, free from the necessity of handling the same, once it is in position, while be provides the service called for thereby.

Still a further object of this invention is to provide a data sheet holder which may be mounted at a desired angle either on an adjustable tripod or floor stand or a conventional design of bench clamp, so that the service technician or operator can readily observe the same whenever desired while providing the service or the work that is being performed.

With the foregoing and other objects in view, this invention comprises the combination, construction and arrangement of parts hereinafter set forth, claimed, and disclosed in the accompanying drawings in which:

FIG. 1 is a perspective view of the data sheet holder of this invention.

FIG. 2 is a section view on line 2—2 of FIG. 1, showing the data sheet holder mounted on an adjustable floor stand.

FIG. 3 is a section view on line 3—3 of FIG. 1.

FIG. 4 is an elevation view of a bench clamp which may be substituted for the floor stand of FIG. 2.

There is shown at 10 the data sheet holder of this invention. This data sheet holder 10 consists of a plate 12, having a supporting flange 14 extending rearwardly from the bottom edge thereof and at an acute angle thereto, whereby when the supporting flange 14 is maintained in a horizontal position, the main body of the plate 12 extends upwardly at an acute angle to the horizontally supported flange 14.

Adjacent the bottom edge of the plate 12 and secured thereto across the front surface thereof, is a ledge 16, the ledge 16 being secured to the front face of plate 12 in any conventional manner, depending on the material of the plate 12 as well as the material of the ledge 16. Obviously, any suitable material may be used, such as cardboard, aluminum sheets, high impact plastic sheets, etc. Preferably, the upper edge 18 of the ledge 16 is tapered as shown so as to provide a groove 20 between the ledge 16 and the face of plate 12, into which groove 20 the bottom edge of the data sheet will extend and be held thereby. The height of the plate 12 will be appropriate to the type of data sheet for which it is usually intended, and at the upper edge 22 of the plate 12, a clamping member 24 is hinged thereto as by spring loaded hinges 26 for resiliently urging the clamping surface 28

against the face of plate 12 or against the upper edge of the data sheet whose lower edge is supported in the groove 20.

To enhance the clamping effect of the clamping member 24 on the data sheet, the rear surface 28 of the clamping member 24 is provided with a resilient rubber strip 30 so as to positively grip the upper edge of the data sheet therein and thus securely hold the data sheet against accidental dislodgment therefrom, yet permitting ready removal when desired.

Secured to the back of the data sheet supporting plate 12 is a storage pocket 32 which as shown includes three edge flanges 34 thus of a height to provide a storage space between the pocket member 32 and the back face of the plate member 12, the top edge 36 of the pocket member 32 extending slightly above the top edge of the plate 12 so as to facilitate insertion and removal of data sheets therein. It will be further observed that the depth of the pocket within the pocket member 32 is slightly less than the distance between the inside of the groove and the top edge of the plate 12 so that the data sheets for which the particular data plate holder is designed which will fit snugly between the groove 20 and be held by the clamping member 24 against the top of plate 12 will fit within the pocket member 32 yet extend sufficiently thereabove to be readily removable when desired.

The supporting flange 14 is intended to be maintained in horizontal position whereby the plate 12 will be held at an acute angle thereto so that the data sheets placed thereon are readily observable by the mechanic or service technician. This supporting flange 14 is provided with an aperture for receiving a bolt 40 to be secured thereto by a nut 42, the flange being held between washers as at 38. The head of the bolt 40 is apertured and shaped like a disc or hemisphere complementary to a similar disc or hemisphere 44 to which it is adjustably secured by a bolt 46 and wing nut 48, the disc or hemisphere 44 being integrally formed on the top of a supporting post 50. This post 50 is adjustably secured in an aperture in a supporting stand 52 by means of a knurled thumbscrew 54. The stand 52 represents any conventional floor stand or tripod so that the plate holder 10 can be supported at any desired location, at any desired height by adjusting the post 50 and at any desirable angle by manipulating the ring nut 48 on the bolt 46.

This is particularly useful when working in the field, that is, working at the location of a television or radio in a home rather than in the shop. When working in a shop, it may be more desirable to use a bench clamp 55 provided at one end with an upstanding arm 56 apertured to receive the post end 58 of an apertured disc 60, the apertured disc 60 corresponding to the apertured disc 44, the post end 58 corresponding to post 50 and the upstanding end 56 corresponding to the stand 52, the post end 58 being secured by a knurled nut 62 corresponding to the knurled nut 54. The bench clamp 55 is bifurcated at its other end as at 64 for extending over the edge of a bench and a knurled thumbscrew 66 is provided through one of the bifurcations 64 for securing the bench clamp 55 through any suitable location on the bench in the shop where the work is being done.

While the device has been shown and the structure described in detail, it is obvious that this invention is not to be considered as being limited to the exact form disclosed and changes in detail and construction may be made therein within the scope of what is claimed, without departing from the spirit of this invention.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. A data sheet holder comprising a sheet holding plate, a plate supporting flange extending rearwardly integrally

from the bottom edge of said plate at an angle thereto, a sheet supporting grooved ledge secured to said plate across the bottom of the forward face of said plate, a sheet clamping member resiliently hinged to said plate along the upper forward edge thereof, resilient sheet gripping means on the clamp surface of said clamping member, and a data sheet storage pocket member secured on the back of said plate, said angle between said plate and said supporting flange being an acute angle whereby the forward face of said plate is supported at an obtuse angle to the horizontal when said supporting flange is maintained in a horizontal position.

2. The sheet holder of claim 1, said supporting flange having an aperture therethrough, a sheet holder plate supporting standard, and angular adjusting means on said standard secured to said flange through said aperture.

3. The sheet holder of claim 2, said angular adjusting means including a post, and means for adjusting said post on said standard.

4. The sheet holder of claim 2 and bench clamping means on said standard.

5. A data sheet holder comprising an elongated sheet holding plate and a plate supporting flange integrally extending horizontally rearwardly from the bottom edge of said plate at an acute angle thereto thereby supporting the forward face of said plate at an obtuse angle to said flange, a sheet supporting ledge secured to said plate across the bottom of the forward face thereof, the upper rear edge of said ledge being beveled to provide a sheet receiving groove between said ledge and said plate, a flat clamping bar, resilient gripping means on the rear face of said flat clamping bar, and substantially spaced apart spring loaded hinges securing said flat clamping bar to the top edge of said plate and biasing said flat clamping bar to urge said resilient gripping means on its rear face toward the upper portion of the front face of said plate, a data sheet storing pocket comprising a flat sheet member and forwardly extending bottom and opposite side flanges secured to the back face of said plate with said bottom flange spaced above said ledge, said opposite side flanges of said pocket being located between said spaced apart hinges and the upper end of said flat sheet member extending above the upper edge of said plate, whereby the depth of said pocket from said upper edge of said plate is less than the distance between said ledge groove and said upper edge of said plate.

References Cited in the file of this patent

UNITED STATES PATENTS

1,114,948	Walker	Oct. 27, 1914
1,522,079	Read	Jan. 6, 1925
2,044,589	Morgan et al.	June 16, 1936
2,567,279	Foster et al.	Sept. 11, 1951
2,862,328	Wadsworth	Dec. 2, 1958
3,021,637	Huffman	Feb. 20, 1962