April 29, 1930. B. TAFT 1,756,040

CHART

Filed Nov. 21, 1929 2 Sheets-Sheet 1

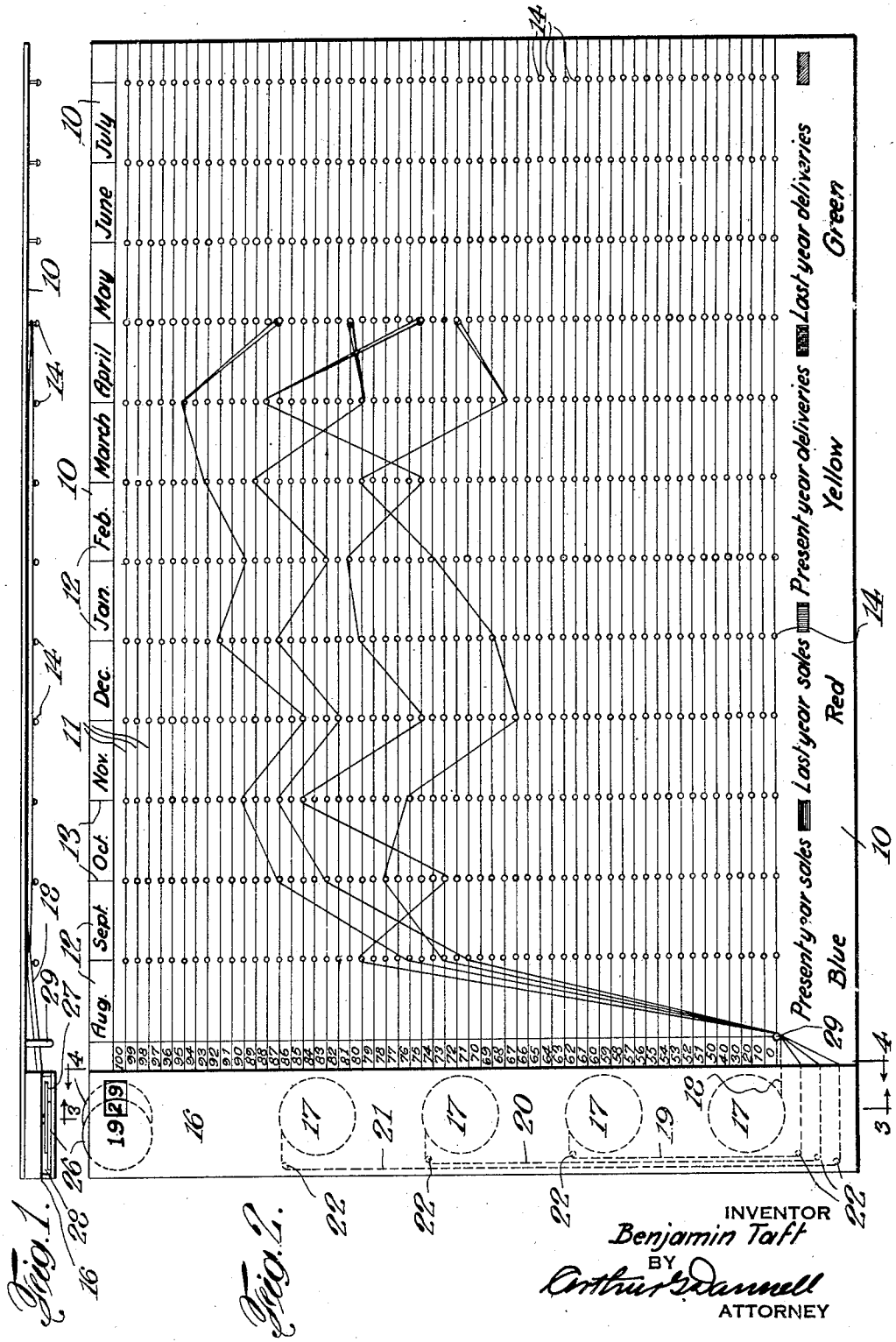


Fig. 1.

Fig. 2.

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CHART

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Fig. 3.

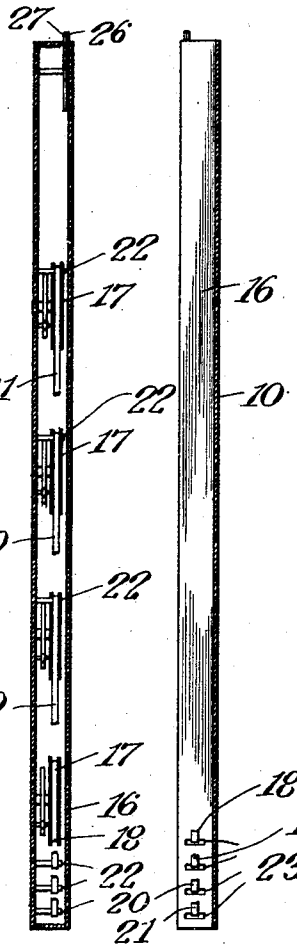


Fig. 4.

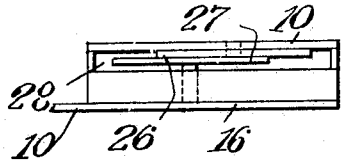


Fig. 5.

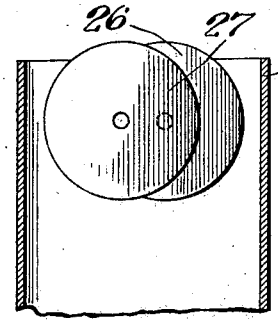
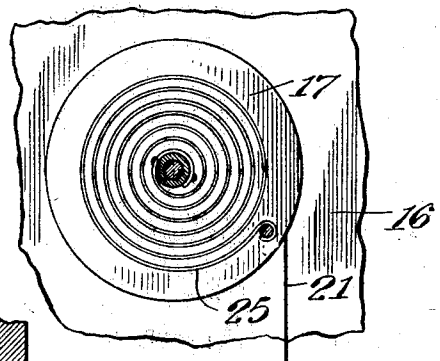


Fig. 6.

Fig. 7.



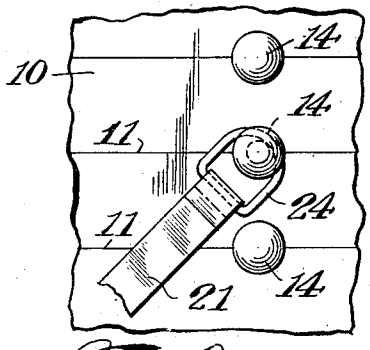


Fig. 8.

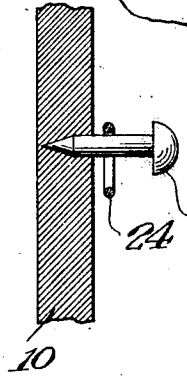


Fig. 9.

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UNITED STATES PATENT OFFICE

BENJAMIN TAFT, OF FLUSHING, NEW YORK

CHART

Application filed November 21, 1929. Serial No. 408,906.

The present invention relates to an improvement in charts, and more particularly to charts used in the various industries, such as the automobile industry, for example.

The object of this invention is to provide a chart which is inexpensive to manufacture, durable in structure and simple in operation.

Another object of this invention is to provide a chart which, in a sense, is a perpetual chart and can be used indefinitely from year to year.

A further object of this invention is to provide a chart which has a plurality of colored ribbons or cords that can be manipulated with great ease and celerity.

In the automobile industry, for example, and particularly in the selling agencies, it is found advantageous to keep a chart of the present year's sales and deliveries and graphically compare them with last year's sales and deliveries, and with the present type of chart, wherein removable pins and crayon markings are used, it is necessary to draw up a new chart each year—which, of course, is expensive and not at all necessary with the present invention.

With the present invention the chart consists of a flat board which can be painted with a white or any suitable background and black lines and printing, denoting the years and months, for example, or an additional card can be fixedly mounted on the board. The small housing on the end of the board contains a plurality of spools of various colored ribbons or cords which can be readily pulled out at zero, for instance, and placed over the proper peg on a line denoting in this case the quantity of sales or deliveries.

The chart can be placed in such a position in the store as to stimulate sales, both to the salesmen and to the purchasers.

Reference will be had to the accompanying drawings forming a part of this specification, in which similar reference characters indicate corresponding parts throughout the several views.

Figure 1 is a top plan view of the present invention;

Fig. 2 is a front view of Fig. 1;

Fig. 3 is a section on the line 3—3 of Fig. 2;

Fig. 4 is a section on the line 4—4 of Fig. 2;

Fig. 5 is a top view of the spool housing;

Fig. 6 is a detail of the wheels denoting the years, for instance;

Fig. 7 is a detail of one of the spools;

Fig. 8 is a detail of the end of the ribbon; and

Fig. 9 is a detail of the peg.

Referring to the drawings, wherein there is shown by way of illustration merely one form of the present invention, a perpetual chart comprises a board 10 having a chart 11 which can be painted directly on the board 10, or it can be a chart of celluloid or some other suitable material fixedly secured to the board 10. The celluloid chart is preferred, for the reason that notes may be made in pencil and can be easily erased. The chart 11 is divided up into a plurality of vertical columns 12 denoting, for example, the months of the year and here shown as starting with August and ending with July, which is usually the new car year. The vertical lines 13 separating the months are formed by rows of pegs 14 which are mounted on the horizontal lines 15 denoting, for example, the quantity of sales and deliveries and here shown up to one hundred for purposes of illustration.

The board 10 has a spool housing 16 connected thereto, and this spool housing contains a plurality of spools 17 having various colored ribbons thereon. For instance, in the present showing four different colored ribbons are used,—such as blue, 18, for the present year's sales; red, 19, for last year's sales; yellow, 20, for the present year's deliveries; and green, 21, for last year's deliveries. Each colored ribbon is guided over pins or rollers 22 to bring it in registry with a plurality of slots 23 in the spool housing 16, as shown in Fig. 4.

Each colored ribbon carries an eye member 24 which can be easily slipped over the pegs 14, as shown in Figs. 8 and 9.

Each spool 17 has a tension spring 25 to hold the ribbon taut and also rewind the ribbon upon the spool for the following year. The year is denoted by the two numbered wheels 26 and 27 which project slightly above

the spool housing 16 through a slot 28 so that they can be easily manipulated.

The pegs 14 can be permanently driven into the board 10 and project a trifle therefrom to permit the ribbon or cord to pass over them.

It will be seen in operating this device that it is only necessary for the operator to take hold of the eye member at the slot 23 and pass it under the zero pin 29 and over the peg corresponding with the total sales or deliveries during the present month and place the eye member of the peg as shown in Figs. 8 and 9.

At the end of each year a photograph can be taken as a record and the ribbons can then be removed from the pegs and automatically return to the slots 23.

It will be understood, of course, that many modifications can be made of the present invention without departing from the spirit thereof.

Having thus explained the nature of my said invention and described a way of constructing and using the same, although without attempting to set forth all of the forms in which it may be made or all of the modes of its use, I claim:

A chart comprising a board having vertical lines thereon and horizontal lines thereon, said vertical lines dividing the months of the year and said horizontal lines denoting quantity, pegs fixedly mounted on the intersecting points of the said vertical lines and said horizontal lines, a spool housing mounted upon said board, a plurality of spools having colored ribbons thereon mounted within said spool housing, pins within said spool housing to guide said ribbons to a plurality of slots in said spool housing, means on each spool to secure said ribbons to the aforesaid pegs, and spring means for rewinding said ribbon upon said spools.

Signed at New York, in the county and State of New York this 18th day of November, 1929.

BENJAMIN TAFT.