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CLOCK WITH MEMORANDUM ATTACHMENT AND REMINDER

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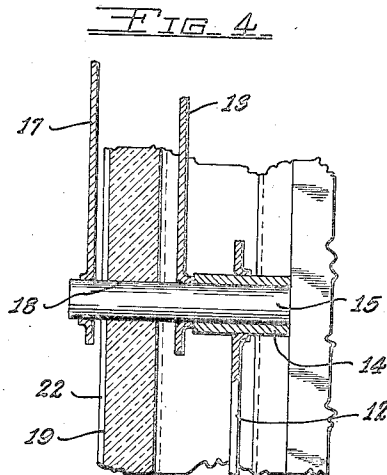
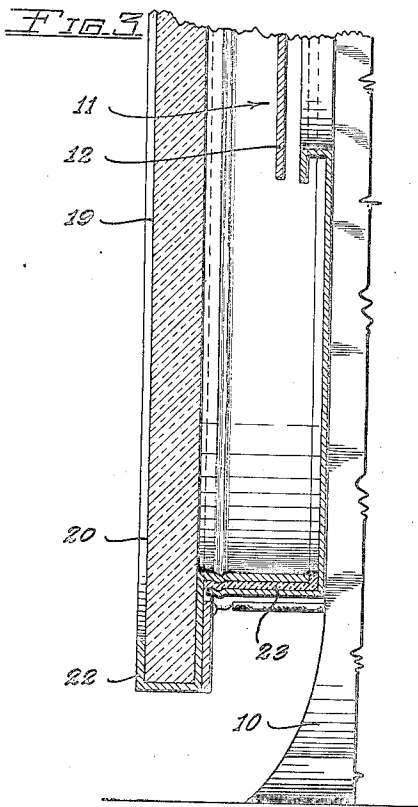
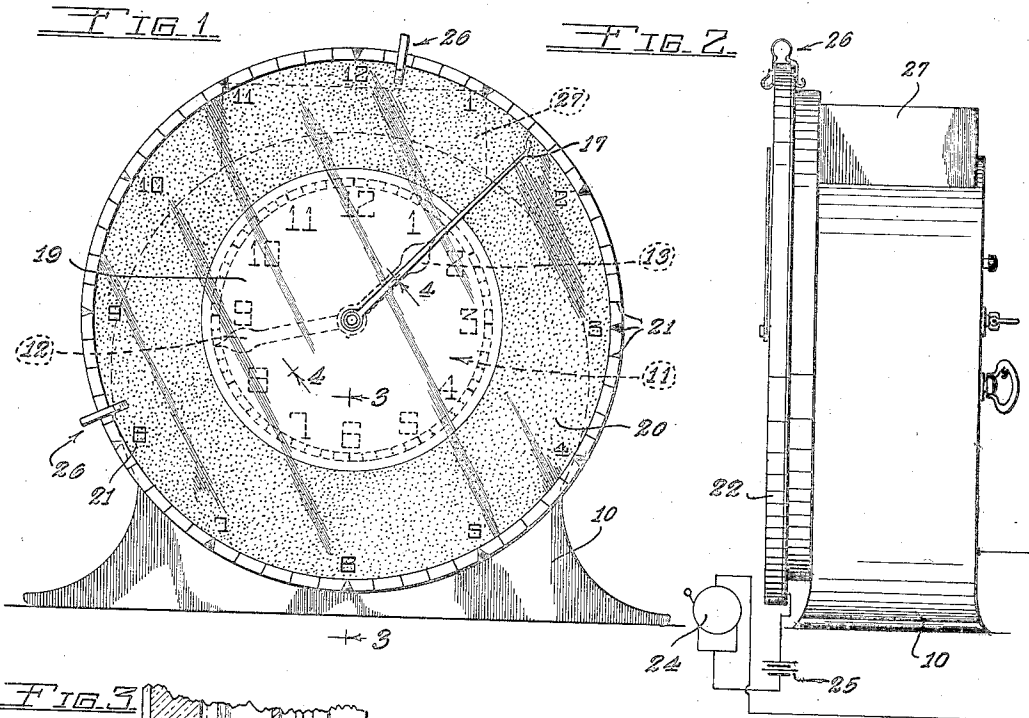
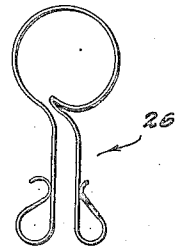


FIG. 5



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CLOCK WITH MEMORANDUM ATTACHMENT AND REMINDER

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2 Claims. (Cl. 161—3)

This invention relates to a clock with a memorandum attachment and reminder.

An object of the present invention is to provide a mechanism of this character consisting of a suitable timepiece surrounding the face on which is a memorandum dial. Suitable memorandums may be applied to the memorandum dial and removed therefrom and a mechanism is associated with the construction for automatically operating an alarm. The alarm serves to forcibly direct attention to the timepiece and to the memorandum on the memorandum dial, serving as a reminder for various purposes.

Another object of the invention is to provide a construction which is of relatively small size, suitable design and arrangement enabling memorandums to be easily applied and removed and enabling the construction to be set ready to cause the alarm to be operated at the proper time.

With the foregoing and other objects in view, which will be made manifest in the following detailed description and specifically pointed out in the appended claims, reference is had to the accompanying drawing for an illustrative embodiment of the invention, wherein:

Fig. 1 is a front view in elevation of the improved mechanism.

Fig. 2 is a side elevation of the same illustrating the alarm as having been incorporated in a wiring diagram applied to this figure.

Fig. 3 is a vertical section taken substantially upon the line 3—3 upon Figure 1.

Fig. 4 is a sectional view taken substantially upon the line 4—4 upon Figure 1.

Fig. 5 is a view of one of the clips which may be applied to the device.

Referring to the accompanying drawing, wherein similar reference characters designate similar parts throughout, the improved mechanism consists of a suitable timepiece mounted on a suitable base such as is indicated at 10. The timepiece may be a spring wound clock, or an electrically driven clock, or any other suitable type of timepiece. The face of the timepiece is indicated at 11 and is conventional and is traversed by a minute hand 12 and an hour hand 13. The minute hand is preferably mounted on a sleeve 14, as shown in Figure 4, so that the spindle 15 rotatable within the sleeve carries the hour hand 13. The spindle 15 is extended forwardly beyond the hour hand 13 and carries a memorandum indicating hand 17, this being illustrated as materially longer than either the minute hand or the hour hand. The face 11 of the timepiece may have its own individual glass cover but I prefer

to provide a glass cover having an aperture 18 centrally thereof through which spindle 15 extends so that the memorandum hand 17 is disposed forwardly of this glass cover. The central part of the glass cover indicated at 19 is of clear glass while the outer part indicated at 20 is preferably of frosted glass. The face may be formed of a single piece of glass with its outer portion either sand blasted or etched so as to have the frosted surface. This outer annular portion constitutes a memorandum dial surrounding the clock face. It is traversed by the outer end of the memorandum indicating hand 17. By having this glass frosted it serves as a suitable slate on which memorandums may be written and erased. Any equivalent construction enabling the application of memorandums surrounding the clock face may be employed.

In the preferred construction the outer edge of the memorandum dial carries indicia 21 corresponding to the indicia of the clock face. I prefer to mount the glass face providing the memorandum dial within a frame or bezel 22 which is electrically insulated as at 23 from the body of the clock. While any suitable mechanism may be employed for giving an alarm at one or more predetermined times, I have illustrated an electric alarm apparatus comprising an electric bell 24. This is in circuit with a suitable source of electric current, such as a battery 25, one side of which is grounded to the body of the clock or timepiece and the other side of which is connected to the electrically insulated frame or bezel 22. A plurality of suitable clips or clamps 26 are provided which may be normally stored within a box 27 mounted on top of the timepiece.

In operation the device has the following advantages and uses. If the user of the clock desires to be reminded at a certain time he writes or makes a memorandum on the memorandum dial opposite the time at which he wishes to be reminded. For example if at two o'clock he wishes to be reminded that he should telephone Mr. Smith, he writes words to this effect on the memorandum dial opposite numeral 2. If at four o'clock he wishes to be reminded that he has an appointment, he writes words to this effect opposite numeral 4 on the memorandum dial. A clip 26 is then applied to the memorandum dial adjacent numeral 2 and a second clip 26 is applied to the memorandum dial adjacent numeral 4. When the hour hand of the timepiece moves around to two o'clock, the end of the memorandum hand 17 will engage the clip at two o'clock on the memorandum dial. This

closes the electric circuit, causing the electric bell 24 to be operated, directing attention to the mechanism and to the memorandum written opposite two o'clock which is indicated by the memorandum indicating hand 17. The user is thus reminded of his duty to call Mr. Smith at two o'clock. In the event that the user should not be near the clock when the alarm operates, the alarm will continue to operate until memorandum hand 17 has wiped across and disengaged the clip. The alarm will then discontinue operation until the memorandum hand engages the clip at four o'clock on the memorandum dial. The alarm then will be again operated, directing attention to the appointment written on the memorandum dial that is to take place at four o'clock.

It will be readily appreciated that any number of memorandums can be written on the memorandum dial and that any number of clips may be applied thereto. The consecutive engagement between each clip and the memorandum indicating hand 17 causes the alarm to be consecutively operated for a short period of time, directing attention to the memorandum indicated by the memorandum indicating hand. It will be readily appreciated that the memorandum when having been used can be easily washed or erased off of the ground glass slate which provides the memorandum dial.

The alarm apparatus does not necessarily consist of a bell but may be a buzzer or any other form of indicator, such as an incandescent lamp, and the alarm apparatus need not be electrically operated. If desired, the conventional or a modified apparatus for operating an alarm clock may be employed to direct attention to the memorandum written on the memorandum dial.

It will be readily appreciated that the above described construction is a very simple design and may be easily used for listing memorandums and for having attention directed to them.

Various changes may be made in the details of construction without departing from the spirit or scope of the invention as defined by the appended claims.

I claim:

1. A mechanism of the class described comprising a timepiece, means providing a memorandum dial surrounding the face of the timepiece adapted to have memorandums applied thereto opposite the desired hour on the face of the timepiece, a hand associated and movable with the hour hand and adapted to traverse the memorandum dial, an alarm, clips attachable to the memorandum dial and adapted to be engaged by the memorandum indicating hand, means forming an electric circuit including the hand and clips, said hand and clips when in applied position being adapted to close the electric circuit for operating the alarm and directing attention to the memorandum adjacent the memorandum indicating hand.

2. A mechanism of the class described comprising a timepiece, means providing a memorandum dial surrounding the face of the timepiece adapted to have memoranda applied there- to opposite the desired hour on the face of the timepiece, a hand associated and movable with the hour hand and adapted to traverse the memorandum dial, an alarm, an annular frame adjacent the edge of the memorandum dial insulated from the body of the timepiece, a source of electric current in circuit with the body of the timepiece, the alarm, and the frame, and clips attachable to the memorandum dial, engageable with the frame and adapted to be engaged by the memorandum indicating hand whereby when a clip on the memorandum dial is engaged by the memorandum indicating hand the circuit will be closed through the alarm to call attention to the memorandum on the memorandum dial adjacent the clip.

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