May 8, 1923. 1,454,810

J. P. COWLEY

AUTOGRAPHIC REGISTER

Filed June 6, 1921

Fig. 1

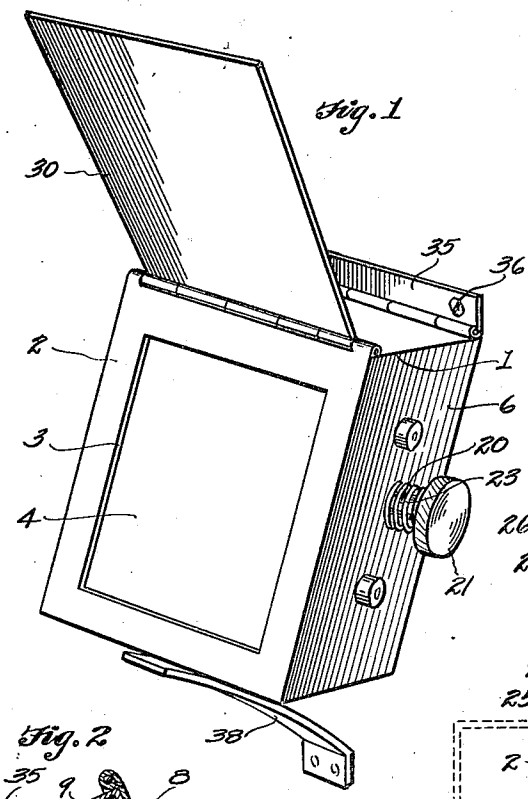


Fig. 4

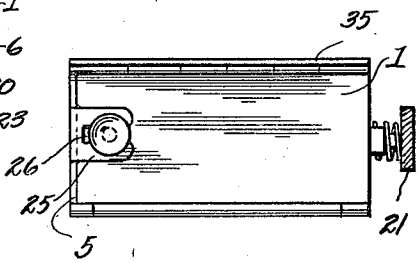


Fig. 2

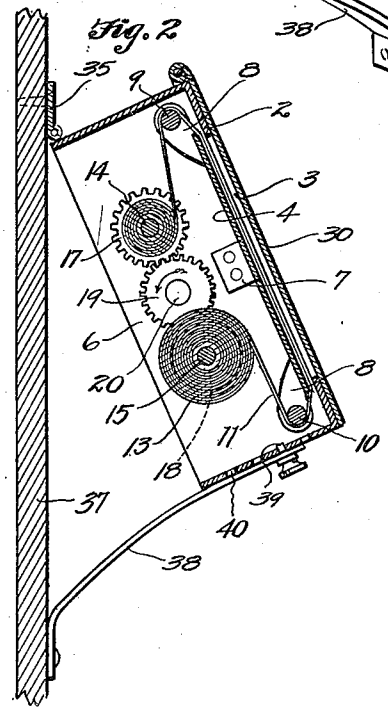
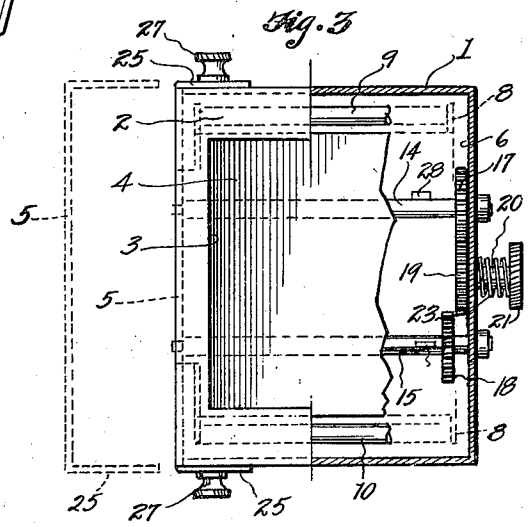


Fig. 3



Inventor
JAY P. COWLEY

By Attorney
Richard J. Cook

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UNITED STATES PATENT OFFICE.

JAY PETER COWLEY, OF TACOMA, WASHINGTON.

AUTOGRAPHIC REGISTER.

Application filed June 6, 1921. Serial No. 475,334.

To all whom it may concern:

Be it known that I, JAY PETER COWLEY, a citizen of the United States, and a resident of the city of Tacoma, county of Pierce, State of Washington, have invented certain new and useful Improvements in Autographic Registers, of which the following is a specification.

My invention relates to improvements in autographic registers, and has for its principal object to provide a device of that character intended for the use of automobile and truck drivers, as a means for registering data which it is desired to preserve, and which is so constructed that it may be conveniently mounted on the dash board of a vehicle, and in such position will be easily accessible for use.

Another object of the invention is to provide an autographic register of the above character embodying improved means for advancing the paper strip whereon data is recorded, and other improved features whereby the device may be adjustably mounted and the record strip protected.

In accomplishing these and other objects of the invention, I have provided the improved details of construction, the preferred forms of which are illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of an autographic register embodying the present invention.

Figure 2 is a vertical section of the same, as mounted upon the dash board of an automobile or the like.

Figure 3 is a front view of the device, partly broken away for better illustration.

Figure 4 is an upper end view of the device.

Referring more in detail to the several views of the drawings, wherein like reference numerals designate the same or like parts—

1 designates a rectangular, metal housing, the front wall 2 of which is provided with a rectangular opening 3 beneath which a plate 4, forming a writing table, is mounted. This table is fixed rigidly to the opposite side walls 5 and 6 of the housing by means of rivets or screws that are extended through the walls and through ears 7 that are turned downwardly from the opposite sides of the table.

At opposite sides of the upper and lower ends of the table plate 4, are down-turned wings 8, and between these are rotatably supported rollers 9 and 10 over which a record strip 11 is extended. This strip is wound in rolls 12 and 13, respectively formed on axles 14 and 15 which are mounted beneath the writing plate with their opposite ends rotatably contained within the opposite side walls of the housing; the strip being extended over the rollers 9 and 10 and across the plate 4 so that it may be written upon.

The axles 14 and 15 have advancing and unwinding gear wheels 17 and 18 respectively fixed in offset alinement thereon, and adapted to be moved into mesh with either of these, is a gear wheel 19 fixed on the inner end of a stub shaft 20 that is slidable through the housing wall, and which at its outer end, has a knurled knob 21 thereon whereby it may be turned to cause the strip to be advanced from one roll to the other across the writing plate. A coiled spring 23 is located about the shaft between the knob and wall of the housing, which normally retains the shaft 20 at its outer limit of movement and the gear 19 in mesh with the stub advancing gear 17, but which will yield to permit the connection of these gears and the adjustment of the gear 19 into mesh with the re-winding gear wheel 18.

To facilitate the placing of a record roll within the device, I provide for the removal of the side wall 5 from the housing. This wall is separate from the housing and, at its opposite ends, has laterally turned ears 25 adapted to overlie the end walls of the housing and these ears are provided with slots 26 through which thumb screws 27 may be extended. These screws are threaded into the end walls of the housing and may be tightened against the ears to hold the wall plate functionally in position.

The axles are equipped with projections 28 over which cores on which the strips are wound may be advanced and the rolls thereby prevented from slipping on the axles.

To protect the record strip, I have provided the device with a cover plate 30 which is hingedly attached to the upper edge of the housing and which will close the opening 2 when the device is not in use.

A preferred means of mounting the device is illustrated in Figure 2, wherein 35 designates a flange that is hingedly fixed to the upper rear edge of the housing and through which screws, or the like, 36 may be projected to secure the device to a dash board,

as indicated at 37. A spring arm 38 is fixed to the board, below the housing which, at its outer end, has a pin 39 therein adapted to register within any one of a series of apertures 40 in the lower end wall of the housing for the purpose of holding the device at a desired position of adjustment.

Assuming that the device is so constructed and mounted, it is apparent that by turning the knob 21 the record strip will be advanced across the writing plate and a record may be kept thereon of purchases, or other data which one may wish to preserve.

It is also apparent that the manner of mounting shown permits the device to be adjusted to positions where it will be most accessible to the driver of the vehicle and adapts it for use on dash boards that are made vertical or inclined at different degrees.

It is also noted that the removable side plate of the housing provides for quick and easy removal or placing of a record strip within the device, and that the provision of the shiftable winding gear will permit rewinding, or adjustment of the strip should it become slack on one of the rollers.

Having thus described my invention, what I claim as new therein and desire to secure by Letters-Patent, is:

1. In combination with a vehicle dash board, an autographic register comprising a housing mounted on said board having an opening in the top wall, a writing plate mounted within the housing beneath said opening, guide rollers mounted at opposite ends of said plate, a pair of axles mounted within the housing beneath the plate, about which a record strip may be wound drawn over said guide rollers and across the writing plate, gear wheels fixed on said axles in offset alinement, a shaft slidably and rotatably mounted in a wall of the housing, a gear wheel fixed on the inner end of said shaft adapted to mesh with either of the first named gears, a knob on the outer end of said shaft for turning the same to advance the strip, a spring wound about the shaft bearing against the knob to normally retain the shaft gear in mesh with the advancing gear, but yieldably to permit their being disengaged and the shifting of the shaft gear into mesh with the re-winding gear.

2. In an autographic register of the class described, a housing having an opening in the top wall thereof, a writing plate mounted within the housing beneath said opening, a pair of axles whereon a record strip may be wound after being extended across the writing plate mounted beneath the plate with their opposite ends rotatably supported within opposite side walls of the housing, means for rotating the axles to advance the strip; one of said side walls of the housing being removable therefrom and having laterally turned ears at its opposite ends overlying end walls of the housing, and thumb screws threaded into said end walls adapted to be tightened against said ears to retain the plate in place.

Signed at Seattle, Washington, this 31st day of May 1921.

JAY PETER COWLEY.