T. R. DWYER.

AUTOMOBILE SIGNAL.

APPLICATION FILED JUNE 2, 1917.

1,279,676.

Patented Sept. 24, 1918.

Fig. 1.

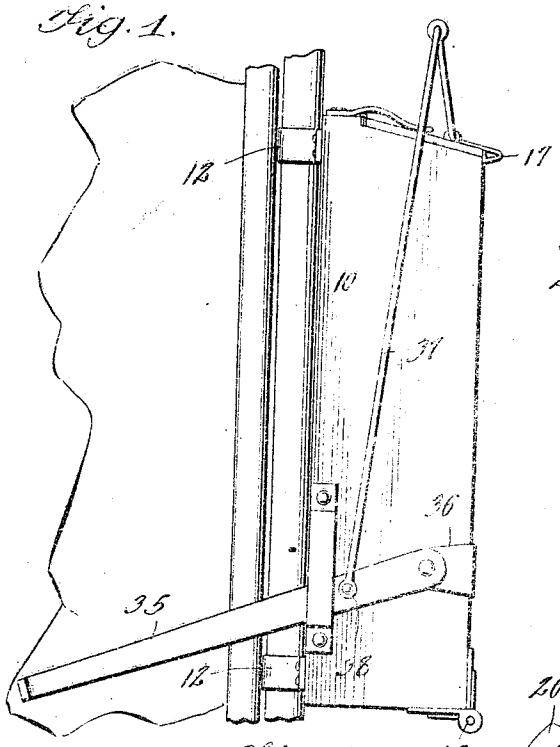


Fig. 2.

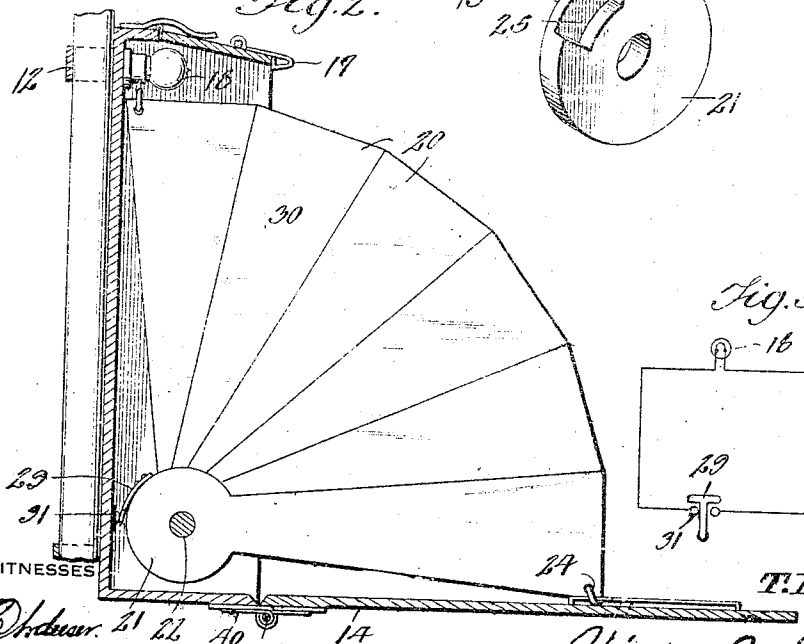


Fig. 3.

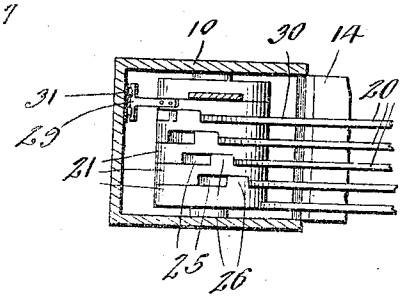


Fig. 4.

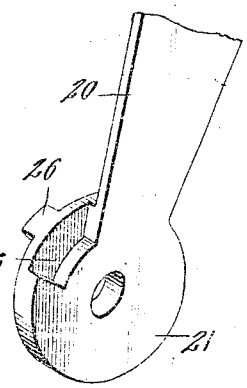


Fig. 5.

WITNESSES

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UNITED STATES PATENT OFFICE.

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AUTOMOBILE-SIGNAL.

1,279,676. Specification of Letters Patent. Patented Sept. 24, 1918.

Application filed June 2, 1917. Serial No. 172,483.

To all whom it may concern:

Be it known that I, TIMOTHY R. DWYER, a citizen of the United States, residing at Hartford, in the county of Washington and State of Wisconsin, have invented new and useful Improvements in Automobile-Signals, of which the following is a specification.

This invention relates to automobile signals of the type designed to be thrown outwardly to the right or left for the purpose of indicating the direction of travel, and the object is to provide in a device of the character indicated an improved construction which shall be more efficient than those heretofore employed.

A further object is to provide a plurality of blades mounted on a common axis and so connected with each other and with the cover member of the casing that upon the release of the cover the blades will be thrown into such relative position that they will present a signal having a surface approximately equivalent to a quarter of a circle, one of the blades when reaching its operative position completing a circuit for a lamp arranged for throwing its rays upon the blades of the device and rendering the signal visible at night.

With the foregoing and other objects in view, the invention consists in the novel construction, combination and arrangement of elements hereinafter described and claimed.

In the accompanying drawings:

Figure 1 is a view of the device in side elevation, the signal being in closed position.

Fig. 2 is a vertical section through the casing, the signal being in open position.

Fig. 3 is a horizontal section through the casing showing in top plan the manner of mounting the signal blades.

Fig. 4 is a perspective view showing a portion of one of the blades mentioned.

Fig. 5 is a view showing diagrammatically the electrical connections.

In carrying out my invention I employ a casing 10 adapted to be connected by means of clamps or the like 12 with the side of the wind shield of an automobile. It being understood that two signals are usually provided, a plurality of casings 10 will be connected in the manner indicated.

The casings 10 each include a hinged cover 14 having pivotal connection with the casing at 15 and adapted to be secured at its upper end by means of a latch 17 carried by said casing.

In the upper portion of the casing a lamp 18 is mounted, and the connections for this lamp are such that current is supplied when the signal is in operative position, the circuit being disconnected when the signal is in closed position. A plurality of blades 20 are carried each upon a disk member 21 mounted on a transverse shaft 22, and six of these blades are provided and so connected that they will assume the position shown in the drawings when the cover 14 is in a substantially horizontal position. The lower blade is connected with the cover 14 as shown at 24 and said blade is opened when the cover drops downwardly, and the remaining blades are also opened owing to their connection with each other. The disks interlock, in view of the notches 25 formed therein and the lugs 26 carried by adjacent disks. Each blade is designed to occupy a space of about two inches at its outer portion, and when all of the blades are open they extend through approximately a quarter of a circle.

One of the blades, designated 30, is provided with a contact member 29 adapted to make contact with another member 31 and to complete an electric circuit through wires 32 for supplying current to the lamp 18.

A lever 35 is adapted to extend across a portion of the wind shield, said lever having connection with the rigid member 36 carried by the cover 14, for the purpose of closing the cover upon the operation of the lever. The lock or latch 17 is operated by means of the rod 37 pivotally connected with the lever at 38, whereby said latch is released upon the initial movement of the lever, when the latter is operated for the purpose of opening the cover 14 and throwing the signal to operative position. A spring 40 insures the positive movement of the cover outwardly and downwardly as soon as the latch is released.

A switch 41 serves to disconnect the lamp circuit when the light is not required.

What is claimed is:

1. In a device of the class described, a casing, a cover having pivotal connection therewith, a plurality of pivotally mounted blades operating on a common axis, means permitting said blades to interlock and permitting the independent movement thereof to a limited degree, the mounting and interlocking

elements for the blades comprising disk members having a recess therein, opening toward the outer edge and toward one side, and certain of the disks including a laterally projecting member engaging the recess of an adjacent disk, securing means for said cover, and means for operating the cover and controlling the securing means.

2. In a device of the class described, a casing, a cover having pivotal connection therewith, a plurality of pivotally mounted blades operating on a common axis each of said blades including an end portion recessed in one side thereof and carrying a projection on the opposite side engaging a recess of an adjacent blade, means for forming a slidable connection between one of said blades and the pivoted cover, the operation of said blade last named by the cover effecting the movement of the successive blades, and means for securing and releasing the cover.

In testimony whereof I affix my signature.

TIMOTHY R. DWYER.