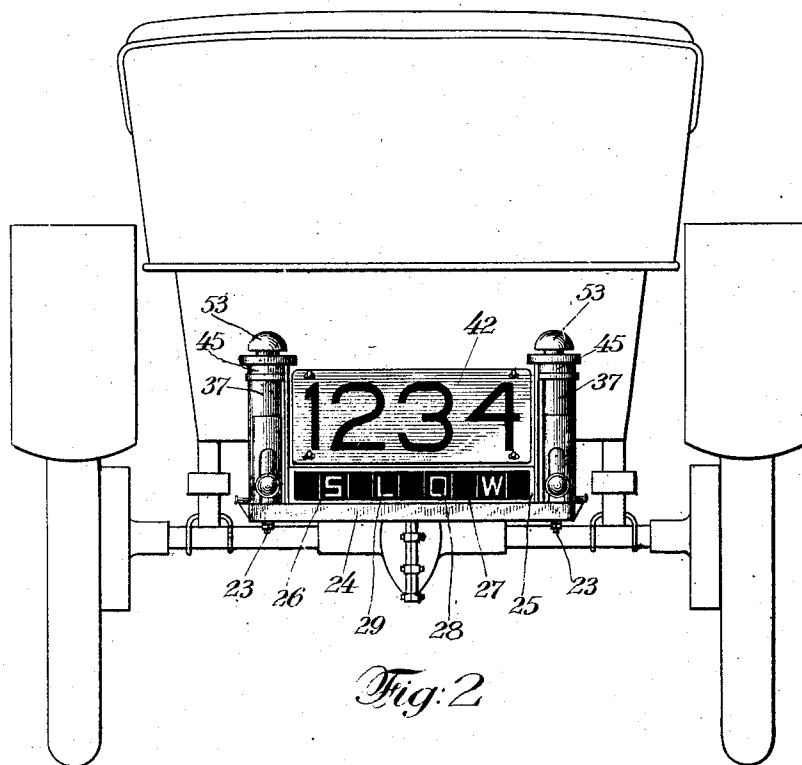
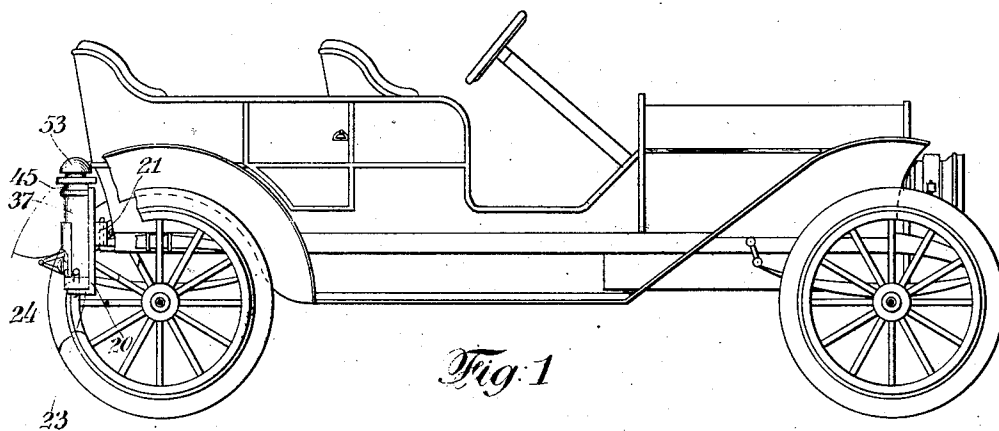


1,010,806.

M. S. ROSENFELD.
INDICATING TAIL LAMP.
APPLICATION FILED AUG. 26, 1910.

Patented Dec. 5, 1911.
3 SHEETS—SHEET 1.



Witnesses
John E. Prager
Jesse H. Swidler.

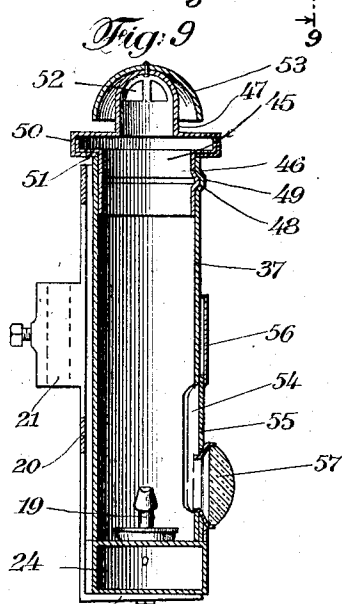
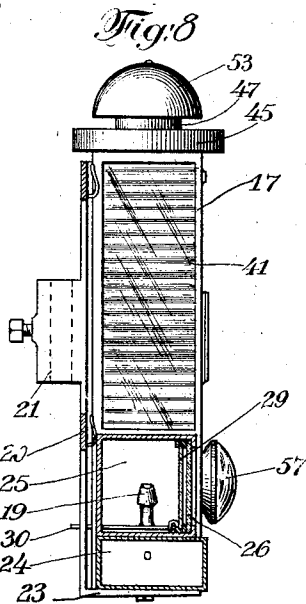
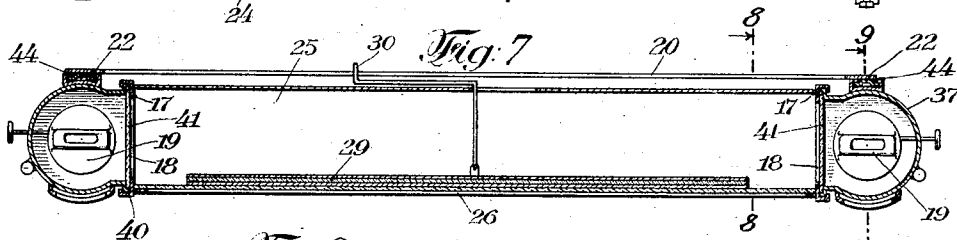
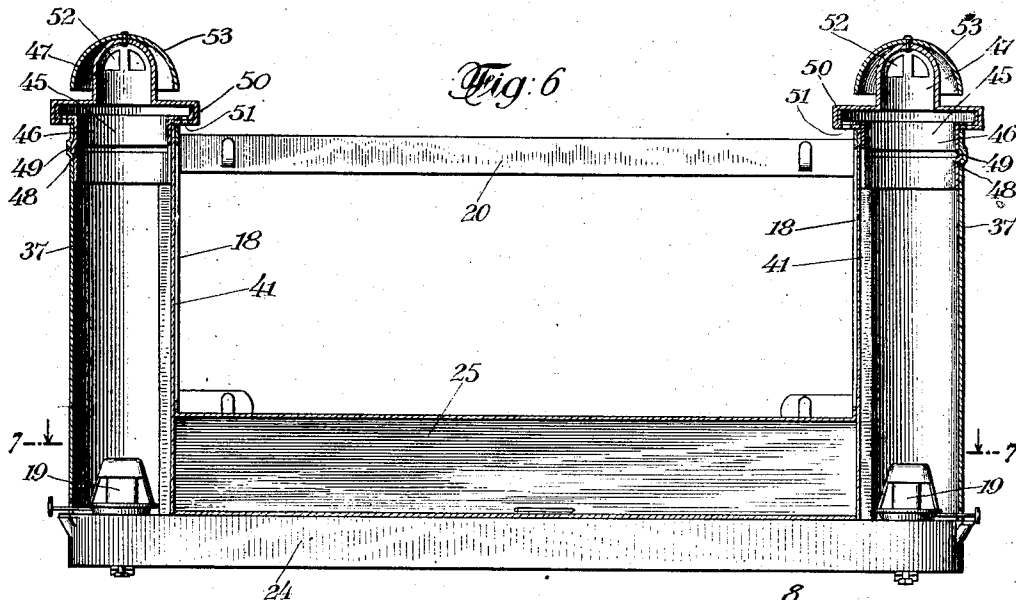
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3 SHEETS-SHEET 3.



Witnesses
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3 SHEETS—SHEET 2.

Fig. 3.

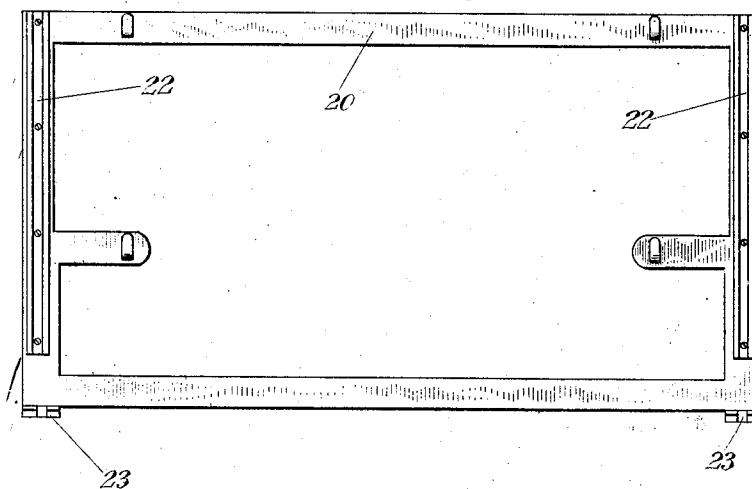


Fig. 4.

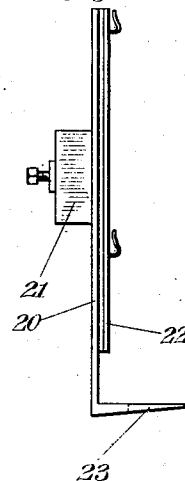
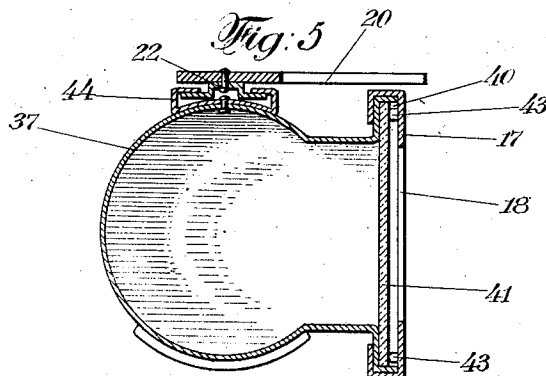


Fig. 5.



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UNITED STATES PATENT OFFICE.

MAURICE S. ROSENFELD, OF NEW YORK, N. Y., ASSIGNOR TO THE WARNING SIGNAL LAMP COMPANY, OF NEW YORK, N. Y., A CORPORATION OF MAINE.

INDICATING TAIL-LAMP.

1,010,806.

Specification of Letters Patent.

Patented Dec. 5, 1911.

Application filed August 26, 1910. Serial No. 579,166.

To all whom it may concern:

Be it known that I, MAURICE S. ROSENFELD, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Indicating Tail-Lamps, of which the following is a specification.

The invention relates to tail lamps for automobiles and the like, and particularly to a lamp adapted to indicate to the party in charge of a vehicle following the one provided with the said lamp that the said vehicle is about to stop or slow down.

It has for its object to provide a lamp for this purpose which may be constructed at reasonable cost, be readily assembled and attached to an automobile or the like and be provided with a suitable changeable exhibitor.

It has for its further object to so construct the same that a registry number plate may be carried thereby and be illuminated, as required by law.

The nature of my invention will be best understood when described in connection with the accompanying drawings, in which—

Figure 1 is a side elevation of an automobile and lamp attached to the rear thereof. Fig. 2 is a rear elevation, on an enlarged scale, of automobile and lamp attached thereto. Fig. 3 is a front elevation, and Fig. 4 a side elevation, of the lamp frame. Fig. 5 is a horizontal section through one of the lamp chimneys. Fig. 6 is a vertical section of the lamp and Fig. 7 a horizontal section taken on the line 7—7, Fig. 6. Figs. 8 and 9 are vertical sections taken on the lines 8—8, and 9—9 respectively, Fig. 7.

Similar characters of reference designate corresponding parts throughout the several views.

Referring now to the drawings, 20 designates a suitable frame for the lamp and by means of which the same may be attached to the rear of an automobile or the like, as through the lugs 21. This frame is provided at each end with vertical guides 22, and at the bottom at each end with projections or ledges 23 to support a horizontal oil tank 24 to contain the oil for the lamps 19 mounted at the ends of the same. A suitable frame, or preferably a box, 25 rests upon the said oil container, and the same is provided with a window 26 having alter-

nate opaque and transparent sections 27 and 28 respectively. This box receives light from the lamps 19; and within the same is mounted for horizontal movement, a slide 29 upon which is inscribed a suitable warning such as the word "Slow," shown in Fig. 2. The letters of said warning are of translucent material and are arranged to correspond with the sections 27 and 28; that is to say, when the slide is in one position, the letters are all behind the respective opaque sections 27, and when in the other position, they are behind and visible through the transparent sections 28 being illuminated from the light in the box 25 received from lamps 19. A lever 30 connects with this slide and by means of which the same is moved through mechanism (not shown) to display the warning.

From the ends of the frame or box 25 extend vertical guides 17 provided with vertical openings 18, said guides being adapted to receive and hold a detachable chimney piece 37 fitting down over the lamps 19 forming with said guides 17 suitable chimneys for the respective lamps. Closing the openings 18 in the guides and held in the guide-way 40 provided by the said guides 17 and chimney pieces 37, are double-corrugated, semi-prismatic sheets of glass 41 which are adapted to raise the light from the corresponding lamps and cause the same to be projected across the space between said chimneys to suitably illuminate a registry number plate 42, hung on the frame 20. These glass strips may be secured against rattling in any suitable manner, as for example, by means of the spurs 43 cut from the guides 17. The said chimney pieces are provided with vertical locking members 44 adapted to fit over the guides 22 of the frame 20 and by which means the said chimney and thereby the frame or box 25, as well as the oil container 24, are securely attached to the frame 20.

Suitable removable caps 45 are provided for the said chimneys, and consist of two members—a locking member 46 and the cap proper 47. The locking member 46 is merely a skeleton frame having a circular projection 48 adapted to snap into and fit a corresponding recess 49 provided in the wall of the chimney. This said member is adapted to interlock with the flange 50 of the cap proper and which flange is provided with

suitable perforations 51 on its under face and with openings 52 in the cap. A hood 53 covers the said cap.

Access to the lamps 19 for the purpose of lighting the same is gained through suitable openings 54 in the chimney pieces 37 and which are normally closed by a gravity slide or door piece 55 mounted in a casing 56 secured to the said chimney piece. The knob 57 of the said door is of glass (red) through which the light from the lamps is adapted to shine when the door is in the normal, lowered position and to thereby display a warning light.

The lamp herein set forth is very simply constructed, portable, readily cleaned, provides a double warning light, illuminates the registry number plate; and, in addition to these features, provides means for automatically warning a vehicle following the same of its slowing down, whereby accidents due to this cause are prevented.

I claim:—

1. An indicating tail lamp comprising: a frame, and means adapted to secure the same to the vehicle; a horizontal base secured to said frame, and suitable lamps carried by the same at the opposite ends thereof; a box to receive light therefrom and resting upon said base, and mechanism within said box to display a suitable warning; and detachable chimneys for each of said lamps adapted to secure the said box to the said frame.

2. An indicating tail lamp comprising: a frame and means adapted to secure the same to the vehicle; vertical guides at each end of said frame; a horizontal base, and suitable lamps carried by the same at the opposite ends thereof; a box to receive light therefrom and resting upon said base, and mechanism within said box to display a suitable warning; guides extending vertically from the ends of said box; detachable chimneys for each of said lamps, and provided with extensions adapted to fit the guides extending vertically from the ends of said box; and a channel piece secured to the side of each of said chimneys and adapted to fit the corresponding vertical guides at the ends of said frame, whereby the said box may be secured to the said frame.

3. An indicating tail lamp comprising: a frame, and means adapted to secure the same to the vehicle; a horizontal base, and suitable lamps carried by the same at the opposite ends thereof; a box to receive light therefrom and resting upon said base, and mechanism within said box to display a suitable warning; detachable chimneys for each of said lamps, open toward each other and adapted to secure the said box to said frame; a registry number plate, and means to secure the same to said frame between said chimneys; and vertical, double-corrugated, semi-prismatic glass strips closing the openings of said chimneys and adapted to project the light from said lamps across the space between the said chimneys to illuminate the said number plate.

4. An indicating tail lamp comprising: a frame, and means adapted to secure the same to the vehicle; vertical guides at each end of said frame; a horizontal base, and suitable lamps carried by the same at the opposite ends thereof; a box to receive light therefrom and resting upon said base, and mechanism within said box to display a suitable warning; guides extending vertically from the ends of said box; detachable chimneys for each of said lamps, open toward each other and provided with extensions adapted to fit the guides extending vertically from the ends of said box; and a channel piece secured to the side of each of said chimneys and adapted to fit the corresponding vertical guides at the ends of said frame, whereby the said box may be secured to the said frame; detachable caps for said chimneys; a registry number plate, and means to secure the same to said frame between said chimneys; and vertical, double-corrugated, semi-prismatic glass strips closing the openings of said chimneys and adapted to project the light from said lamps across the space between said chimneys to illuminate the said number plate.

Signed at New York in the county of New York and State of New York this 22 day of August A. D. 1910.

MAURICE S. ROSENFELD.

Witnesses:

LAURA E. SMITH,
FRED'K F. SCHUETZ.