

A. LAUBE.
COMPASS.

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920,587.

Patented May 4, 1909.

Fig. 1.

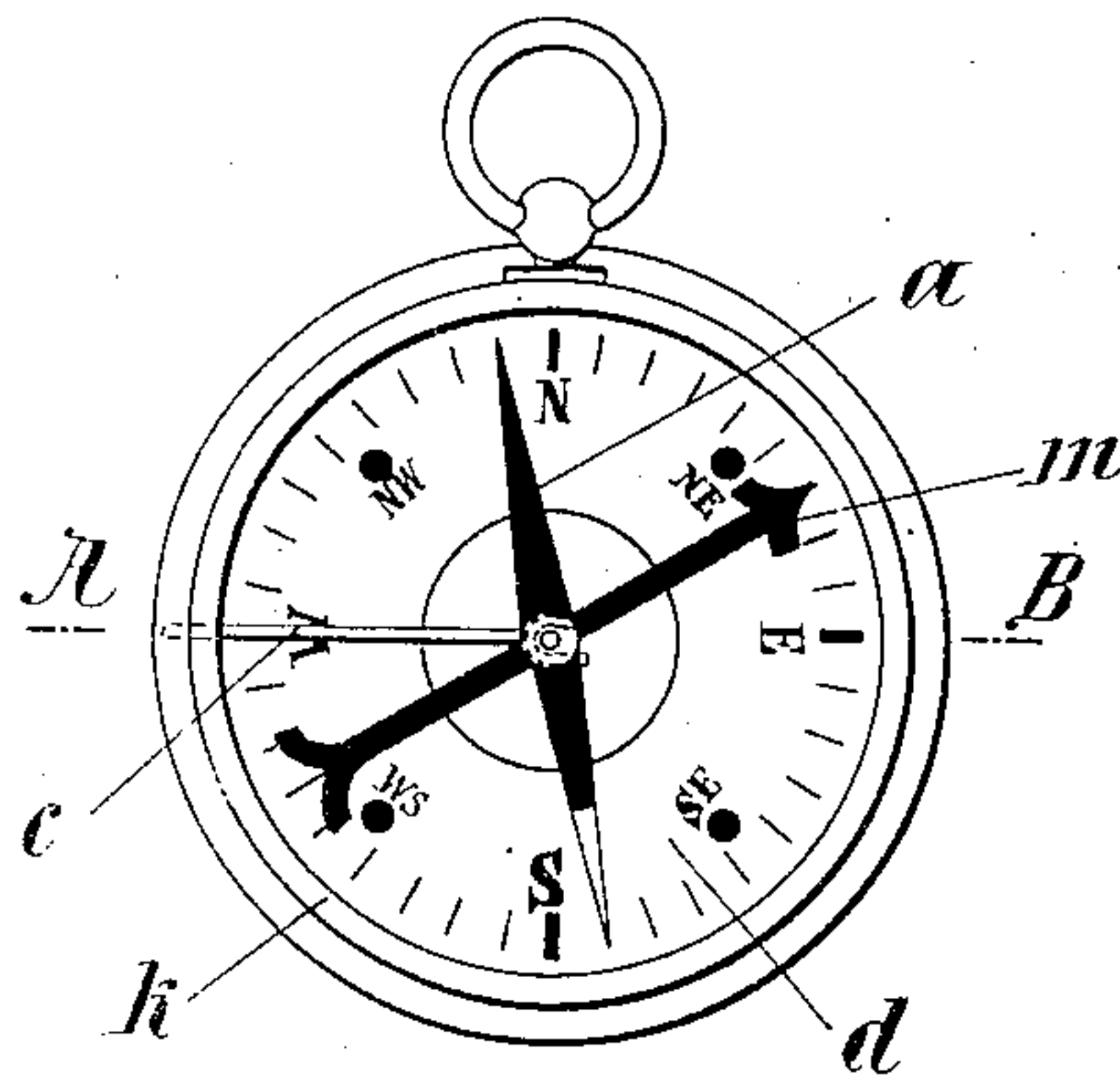
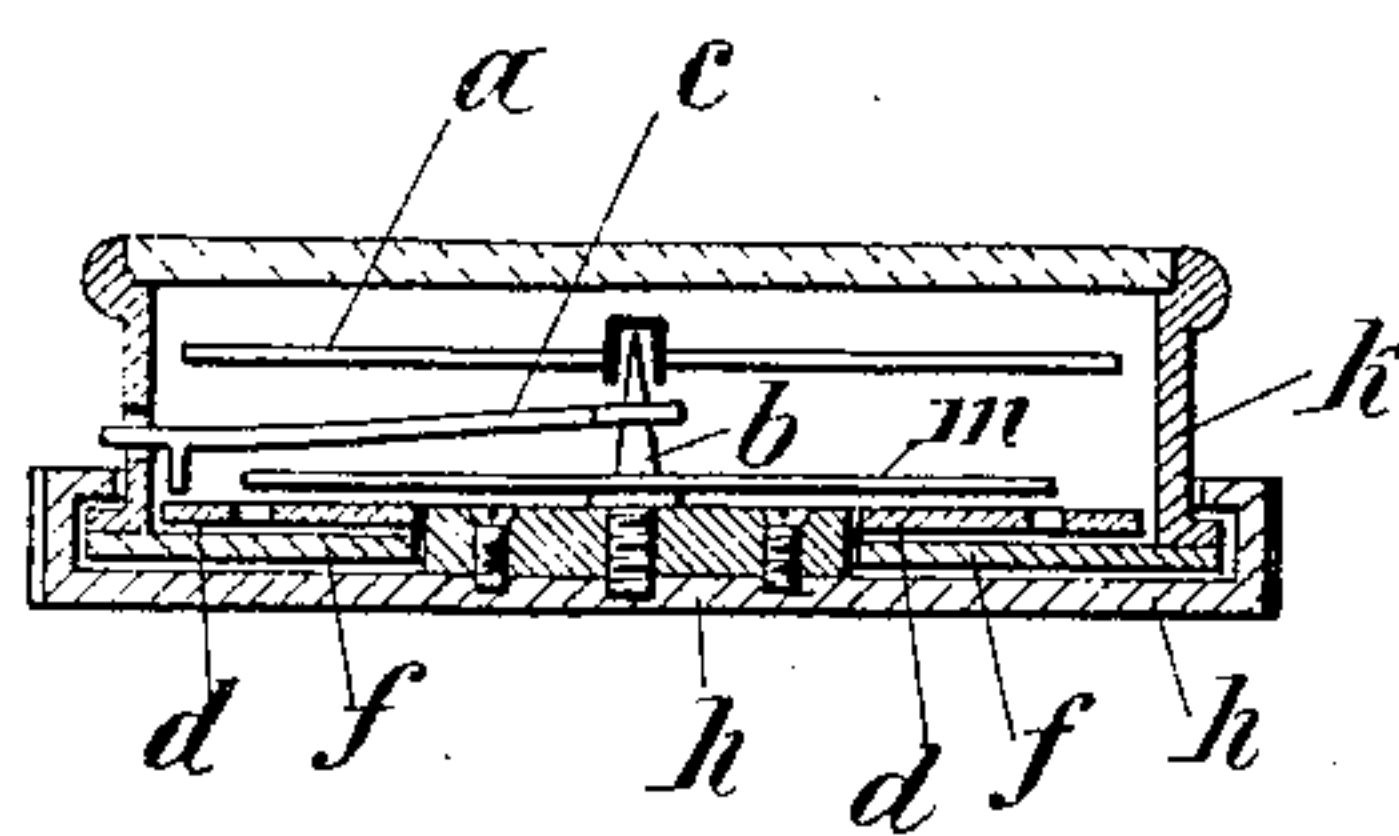


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

ANTON LAUBE, OF ST. PETERSBURG, RUSSIA.

COMPASS.

No. 920,587.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANTON LAUBE, a citizen of the Empire of Austria-Hungary, residing at St. Petersburg, in the Empire of Russia, have invented certain new and useful Improvements in Compasses, of which the following is a specification, reference being had therein to the accompanying drawing.

10 The present invention has reference to compasses.

The compass in accordance with this invention is characterized by the fact that the magnetic needle and the adjustable direction indicator are coated with luminous paint which is visible in the dark. Besides the bottom plate is coated with luminous paint and a graduated plate arranged above the same is suitably cut out to represent the cardinal points of the compass, so that the same will also be visible in the dark.

In Figure 1 of the accompanying drawing which represents the compass in plan, the luminous parts are indicated in black. Fig. 2 represents a section on the line A—B of Fig. 1 with parts shown in elevation.

The magnetic needle *a* is suspended in a known manner on a pin *b* fixed in the bottom of the casing, and is provided likewise in a known manner, with an arm *c* to engage the hub of the needle and adapted to be actuated from the outside; this arm serves for lifting the needle off its pivot when it is not in use.

35 The graduated plate *d* is arranged on the bottom of the compass case; it is provided with the letters N, E, S, W indicating the cardinal points and also with the lines or dots marking the intermediate points. The fixed bottom plate *f* beneath the graduated plate *d* is coated with luminous paint so that the letters and marks cut out of the graduated plate appear in luminous paint. Below the fixed bottom plate *f* a rotatable bottom plate *h* provided with a milled edge is arranged to

surround the lower edge of the compass case *k*; on this plate *h* the pin *b* carrying the needle *a* is fixed. The direction indicator *m* is fixed to this pin *b*, so that by rotating the base plate *h* it may be set at any division on the graduated plate. The plate *f*, carrying the luminous paint, can be made loose or fast on the bottom at will, it being immaterial whether it revolves with the bottom or not. Both the direction indicator *m* and the magnetic needle *a* are coated on their surface with luminous paint, except that the south point of the magnetic needle, is not coated in order to distinguish it.

The device has mainly for its object to permit of maintaining the direction of march or travel at night.

I am aware that in devices of this kind it has been proposed to coat various parts or elements with luminous paint but my invention is characterized by the particular arrangement whereby the magnetic needle, the steering needle and the letters distinguishing the cardinal points appear more distinctly with a luminous paint effect.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be used, I declare that what I claim is:

In a compass in combination a magnetic needle, a center pin secured in a revoluble bottom, an adjustable direction indicator secured to said center pin, a revoluble bottom, a disk on said bottom provided with luminous paint and a graduated plate above the latter having letters and graduation marks punched out of the same substantially as described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

A. LAUBE.

Witnesses:

N. A. FOMIN,
AUG. MICHIS.