Oct. 22, 1957 O. LINDHEIM 2,810,362

SPEED INDICATORS

Filed Dec. 21, 1953

Fig. 1.

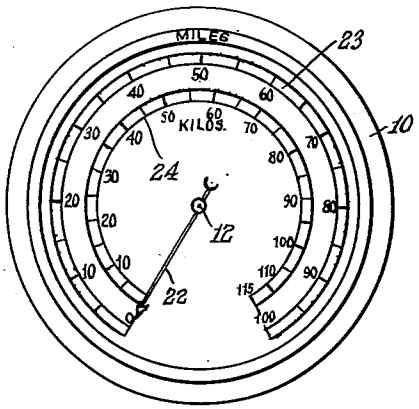


Fig. 2.

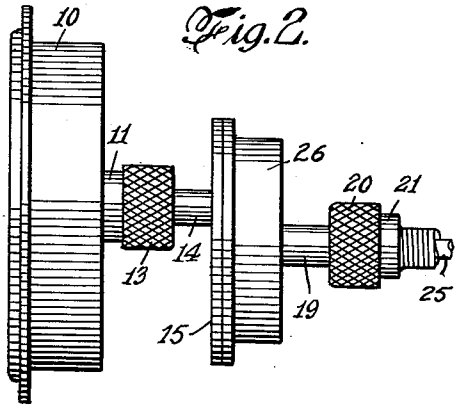


Fig. 3.

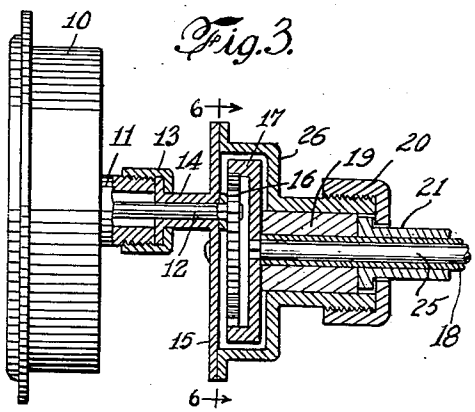


Fig. 4.

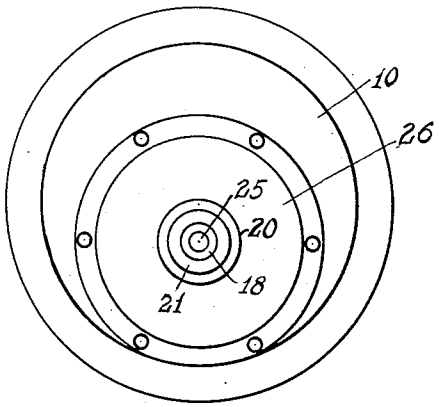
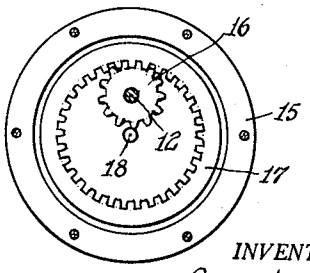


Fig. 5



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SPEED INDICATORS

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1 Claim. (Cl. 116—116)

This invention relates to new and useful improvements in speed indicators, and it has for its object to provide a kilometer reading on a speedometer made for mileage.

With the above and other objects in view, this invention consists of the novel features of construction, combination and arrangement of parts, hereinafter fully described, claimed and illustrated in the accompanying drawing, forming part of this specification, and in which similar characters of reference indicate corresponding parts, and in which:

Figure 1 is a front elevation of a speedometer.

Figure 2 is a side elevational view of the device shown in Figure 1.

Figure 3 is a side view, partly in section, showing the device connected for kilometer reading.

Figure 4 is a rear view of the device as shown in Figure 3, and

Figure 5 is a section taken on the line 6—6 in Figure 3.

Referring more particularly to the drawing and especially to Figure 3, the numeral **10** indicates a housing supporting the mechanism of a standard speedometer, a sleeve **11** extends from said housing **10** and abuts a sleeve

14 which surrounds the shaft **12** for a limited axial distance, said shaft **12** is integral with a gear **16**; a coupling nut **13** secures the sleeve **11** and sleeve **14** together; said sleeve **14**, which is integral with the plate **15**, forms the housing **26**.

The gear **16** meshes with a gear **17** also mounted in the housing **26**; the said gear **17** is integral with the shaft **19**, which is surrounded by a sleeve portion of said housing **26**; a coupling nut **20** secures a drive cable sleeve **21** to the shaft **18**, and the core **25** of said drive cable extends within the shaft **18**.

The indicator shown in Figure 1 will register on the dial for mileage and on the dial **24** for kilometer.

I claim as my invention:

A device for providing a kilometer reading on a speedometer made for mileage and comprising, a housing, a shaft connected to a speedometer arranged in said housing, a first sleeve extending from said housing, a second sleeve surrounding said shaft a limited distance and abutting said first sleeve, a coupling nut securing said two sleeves together, a first gear integral with said shaft and being mounted in a casing, a second gear disposed in said casing and meshing with said first gear, said second sleeve being integral with the casing, a third sleeve, a second shaft surrounded by the latter, said second shaft engaging a drive cable, a cable core within said drive cable, and a second coupling nut securing said cable core to said third sleeve.

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