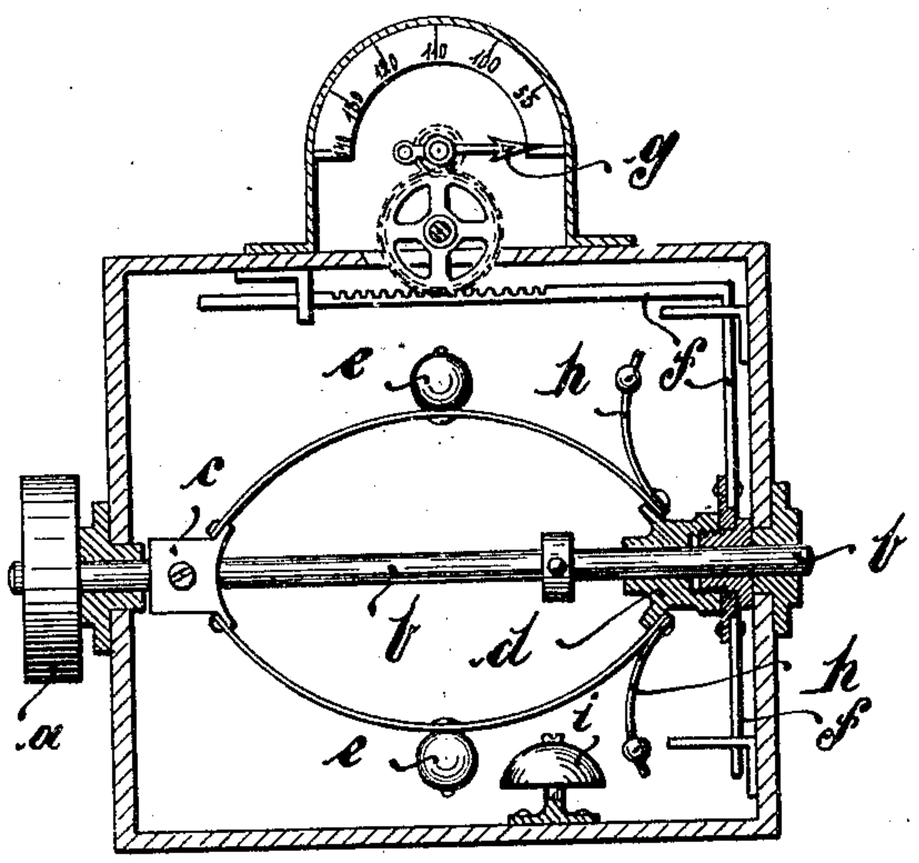
No. 812,937. PATENTED FEB. 20, 1906.

V. KOBLIZEK.

TACHOMETER OR SPEED INDICATOR.

APPLICATION FILED JUNE 14, 1904.



WITNESSES:

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VINZENZ KOBLIZEK, OF SALMTHAL, AUSTRIA-HUNGARY.

TACHOMETER OR SPEED-INDICATOR.

No. 812,937. Specification of Letters Patent. Patented Feb. 20, 1906.

Application filed June 14, 1904. Serial No. 212,510.

To all whom it may concern:

Be it known that I, VINZENZ KOBLIZEK, manufacturer, a subject of the Emperor of Austria-Hungary, and a resident of Salmthal, Bohemia, in the Austrian Empire, have invented certain new and useful Improvements in Tachometers or Speed-Indicators, of which the following is a specification.

My invention relates to certain new and useful improvements in tachometers or speed-indicators for rotary motion, and has for its object to improve this kind of devices in such a manner that, besides greatest simplicity, they excel all similar apparatus by most solid construction, by absolutely reliable working, and freedom from trembling motion. I obtain the said objects by the mechanism hereinafter described, and shown upon the annexed drawing, in which a vertical section of a tachometer according to my invention is illustrated.

Similar letters refer to similar parts throughout the description.

According to the drawing, the belt-pulley *a* turns the shaft *b*. Upon the latter there is arranged the fixed socket *c* and the shiftable socket *d*. Both are united through springs with the centrifugal weights *e*. During the rotation the socket *d* moves to the left in consequence of the centrifugal movement of the weights *e* and carries with it the angular toothed gear *f*. The latter actuates the indicator *g*, on an empirical scale of which the speed can be read directly. On the socket *d* are further arranged the alarm-clappers *h*, which on the maximum speed being exceeded cause the bell *i* to ring continuously.

The main advantage of my new invention is, beyond its simplicity, the great regularity in its working, owing to the springs.

Having thus described my invention, I claim as new—

In a speed-indicator, in combination, a rotatable shaft, a stationary sleeve secured to it, and a second sleeve sliding on it, bowed springs carrying centrifugal weights uniting the two sleeves, an angular rack carried by the sliding sleeve, indicating mechanism actuated by the said rack, clappers projecting from the sliding sleeve, and a gong located within range of the same, substantially as described.

In witness whereof I have hereunto signed my name, this 3d day of May, 1904, in the presence of two subscribing witnesses.

VINZENZ KOBLIZEK.

Witnesses:

LUDWIG KOHN,

ERNST SCHÖFLER.