

PATENT NEWS especially for PLUMB BOB COLLECTORS

WR PATENT NEWS # 2007-47

PATENT GB190719687A WIESNER AUSTRALIA 1907
PLUMB BOB INTERNAL REEL
GB190906247A WIESENER Optical aneroid barometer

Today we have an English patent from the Australian citizen with German roots **William George Wiesener** from 1907.

N° 19,687



A. D. 1907

Date of Application, 3rd Sept., 1907—Accepted, 21st Nov., 1907

COMPLETE SPECIFICATION.

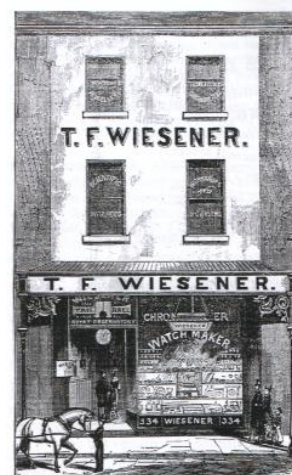
"An Improved Adjustable Plumb Bob".

I, WILLIAM GEORGE WIESENER, of 334 George Street, Sydney, in the State of New South Wales, in the Commonwealth of Australia, Scientific Instrument Maker, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement.

This invention relates to improvements in adjustable plumb bobs, and has for its objects. (1) To facilitate the adjustment of the bob on the plumb line, so that any position may be obtained thereon without the necessity of hand winding as is the case with the adjustable plumb bobs at present in use. (2) The rapid and convenient storage of the line when not in use.

The invention consists in forming a slot preferably parallel through the body of the bob, and fitting therein a hollow frame containing a winding drum which is actuated by a coil spring and controlled by a pawl. One end of the plumb line passes centrally through a removable cap on the top of the bob and is secured to the winding drum.

His **father** was a famous "Astronomical, Mathematical, Optical, SURVEYING, and Philosophical Instrument Maker" with good relations to England.... **Theodore Frederick** Wiesener was born in Goslar, Hanover, in the north of Germany, about 1845..... The *Bulletin* in 1880 says "Mr. Wiesener learnt his business in such houses as Hunt and Roskell, of London, Breguet, of Paris, Fensohn, of Hamburg, and Ceraglia, of Rome". If these are the actual firms Wiesener worked for, then he was plainly ready to travel in order to learn the various branches of his intended business, clockmaking, jewellery and optical work. In quick succession they had three children, Frederick Abbey in 1877, Evelyn in 1878 and **William George** in 1879. He died on 1 June 1897..... The firm of T.F. Wiesener was continued after his death.It seems however that it was the younger son, **William George**, who eventually managed the business. **It was he who patented an improved adjustable plumb bob in 1908.** The firm continued in the name of T.F. Wiesener until 1918 when it was sold to Sidney Whatson who began the Precision Instrument Co. in 1920.



Wiesener's shop in 1880
(*The Bulletin*, 11)

The full history of his family you will find in the supplement email or on:

<http://www.usyd.edu.au/su/macleay/dTFW.htm> (did not longer work in 2007, but was source fort these information).

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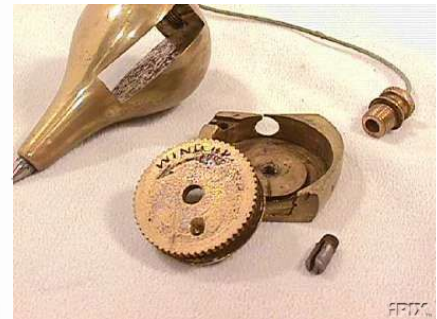
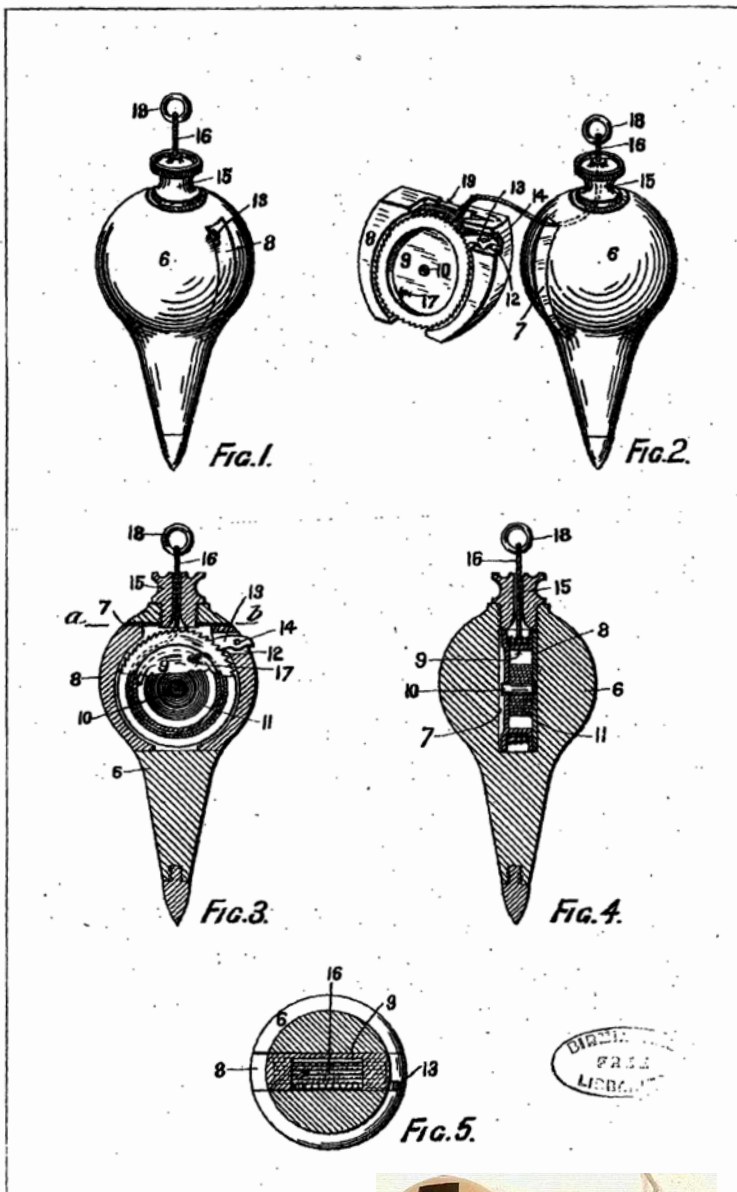
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Sorry, don't know from whom I got the nice photos.

A.D. 1907. SEP. 3. N^o 19,687
WIESENER'S COMPLETE SPECIFICATION. (1 SHEET)

[This Drawing is a reproduction of the Original on a reduced scale.]



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The shape is typical for the Australian plumb bobs from TC. They are a little bit different to the typical English shape.



Look in *THE PLUMB LINE 1991* p 4 from BRUCE CYNAR. There is shown a TROUGHTON & SIMMS plumb bob marked with the patent number 6247. It is a very similar plumb bob with another shape, but the same technique like the Wiesener patent GB190719687. This must be an error by Troughton & Simms, because this patent 6247 is also from Georg William Wiesener in Australia, but for another tool: GB190906247 Optical aneroid barometer. They mixed up the two patent numbers from Wiesener @!!

So we found also a solution for the miracle of this "unknown patent with the # 6247"

N° 6247



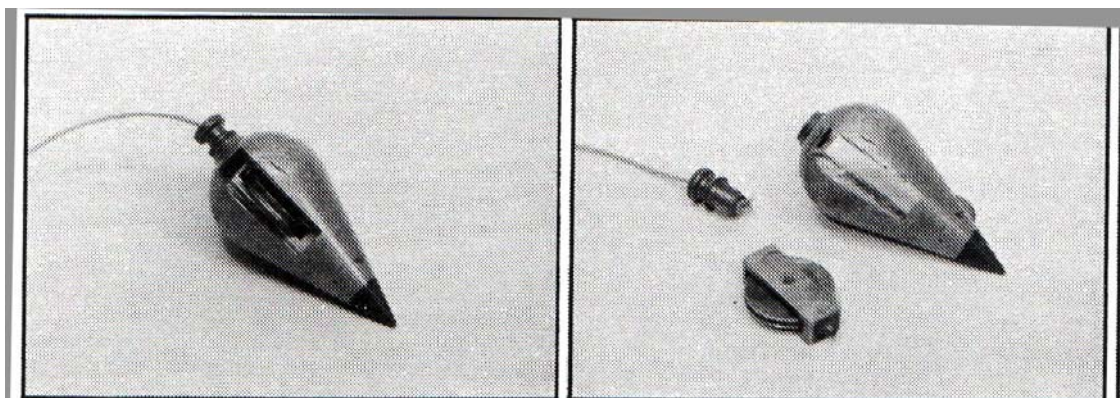
A.D. 1909

Date of Application, 16th Mar., 1909—Accepted, 8th July, 1909

COMPLETE SPECIFICATION.

"An Optical Aneroid Barometer."

I, WILLIAM GEORGE WIESENER, of 334 George Street, Sydney, in the State of New South Wales, in the Commonwealth of Australia, Mathematical Instrument Maker, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—



Marked: TROUGHTON & SIMMS Ltd, LONDON Patent No. 6247. Weight is 11 ounces, length 3 5/8". Un-screwing the cap allows the pulley to slip out of the body, which I believe was only a manufacturing convenience. The width of the pulley is greater than shoulder of the bob so the string only touches the pulley. Somewhere along the line a hole was drilled in the cap to facilitate 'normal' use.