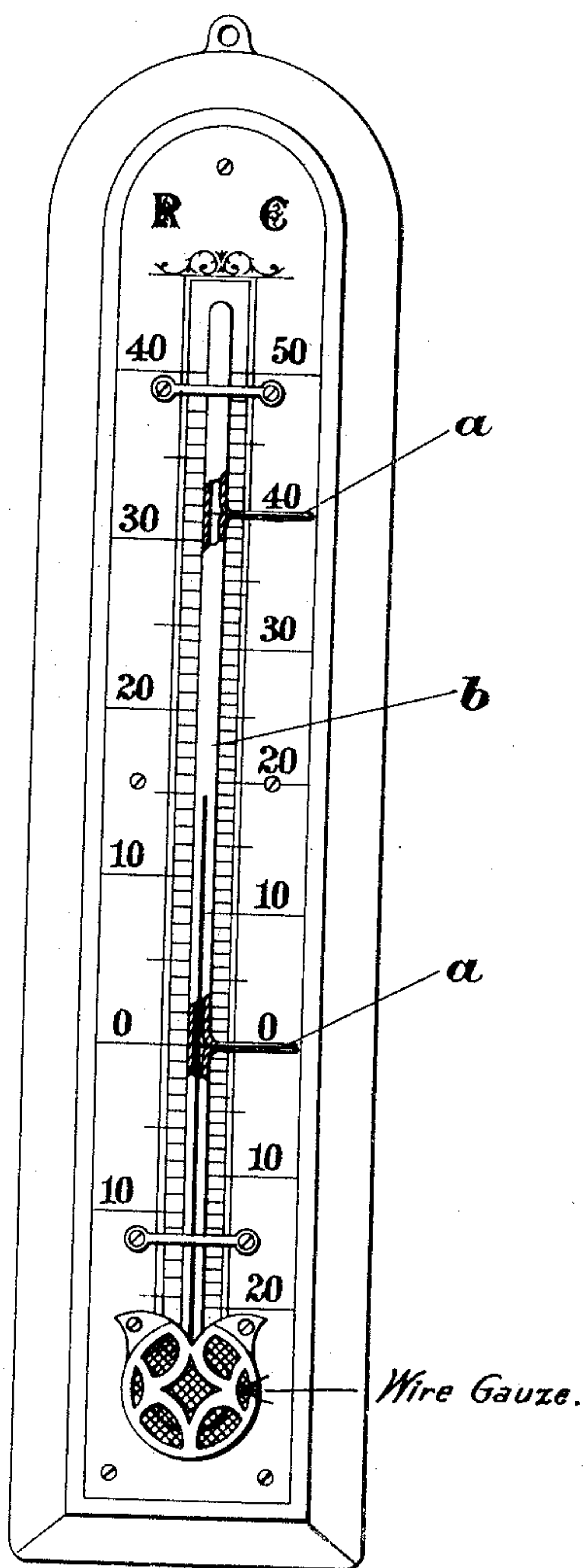


No. 887,157.

PATENTED MAY 12, 1908.

W. WALTHER.
ELECTRIC ALARM THERMOMETER.
APPLICATION FILED MAR. 12, 1907.



Witnesses
Stanley Wood
John H. Sturdivant

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UNITED STATES PATENT OFFICE.

WILHELM WALTHER, OF HOMBURG, GERMANY.

ELECTRIC-ALARM THERMOMETER.

No. 887,157.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed March 12, 1907. Serial No. 361,991.

To all whom it may concern:

Be it known that I, WILHELM WALTHER, a subject of the German Emperor, residing at 42 Kaiser Friedrichs Promenade, Homburg, Germany, boarding-house proprietor, have invented a certain new and useful Electric-Alarm Thermometer, of which the following is a specification.

This invention relates to an alarm thermometer used for indicating by an electric signal when a certain temperature has been reached and is applicable to hospitals, green-houses and the like and which can also be employed as a fire alarm.

The invention is illustrated in the accompanying drawing which is an elevation of a thermometer provided according to the invention.

In carrying out the invention I provide two or more platinum contacts *a* which are fused into the mercury tube *b* at various points for example at 0° C. and 40° C as illustrated in the drawings. These contacts would be connected up to one or more electric circuits, in each of which circuits an electric alarm device such as a bell would be provided.

It will be understood that on the mercury rising in the tube to the level of the upper contact the circuit through the electric alarm device would be completed. When the thermometer is intended for use as a fire alarm the mercury tube is surrounded with wire gauze in order that the alarm may be rung before the glass tube melts or breaks.

What I claim as my invention and desire to secure by Letters Patent is:—

An electric alarm thermometer consisting in combination of a mercury tube, two or more platinum contacts soldered into said tube which serve to complete one or more electric circuits in each of which an electric alarm device is provided, and a wire gauze shield which surrounds the mercury tube.

In testimony whereof I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

WILHELM WALTHER.

Witnesses:

CARL BUCHMÜLLER,
JEAN GRUND.