

No. 743,562.

PATENTED NOV. 10, 1903.

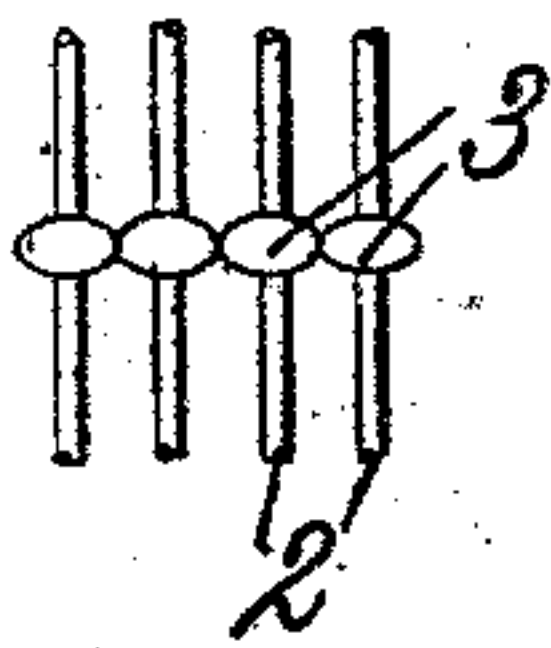
B. RÖBER.

DEVICE FOR COOLING OR WARMING THE HUMAN BODY.

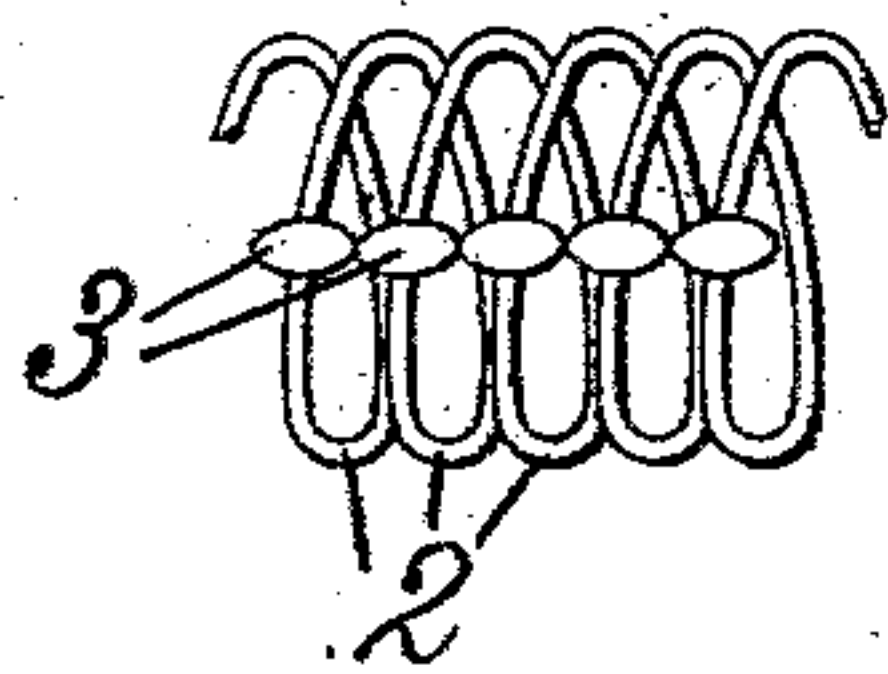
APPLICATION FILED NOV. 1, 1901.

NO MODEL.

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*James L. Norris, Jr.*

*Robert Everett.*

*Inventor.*

*Bernhard Röber.*

*By James L. Norris.*

*Atty.*

## UNITED STATES PATENT OFFICE.

BERNHARD RÖBER, OF DRESDEN, GERMANY.

## DEVICE FOR COOLING OR WARMING THE HUMAN BODY.

SPECIFICATION forming part of Letters Patent No. 743,562, dated November 10, 1903.

Application filed November 1, 1901. Serial No. 80,760<sup>+</sup>. (No model.)*To all whom it may concern:*

Be it known that I, BERNHARD RÖBER, a subject of the King of Saxony, residing at 6 Kaiserstrasse, Dresden, Kingdom of Saxony, in the Empire of Germany, have invented certain new and useful Improvements in Devices for Cooling or Warming the Human Body, of which the following is a specification.

This invention relates to a device for cooling or warming places on the human body, the object of the invention being to provide a simple and effective device of this character of coiled metallic form which can be employed as a substitute for the well-known compresses of cloth, which when employed are dampened with water or other liquid and the effect of which is of short duration, and therefore, as is well known, require frequent change and dampening. The coiled portions of the device are separated from each other and are approximately in parallelism, the coiled portions having projections which abut each other to thereby hold the coils out of direct contact. The structure is laterally flexible, so as to shape itself to curved surfaces of the body.

In the drawings accompanying and forming a part of this specification, Figure 1 is a face view of a fragment of a coiled structure embodying the invention, the upper and lower portions of the coils being removed. Fig. 2 is a perspective view of the same, representing the coils in full.

Like characters refer to like parts in both views.

The coiled structure constituting the subject-matter of this invention is made of metal of some high heat conductivity and is adapted to be directly applied to the surface of the body in order to rapidly and effectively cool the same. The coils of the structure are each denoted by 2, and it will be seen upon reference to Fig. 1 that the coils are in parallelism. By making the device of coiled form I secure therein lateral flexibility, which is desirable in order to adapt the device to proper application to curved surfaces, which may be accomplished by bending said device. The coils 2 are held out of contact positively with each other, and for this purpose I have represented them as provided with projections 3, suitably fastened thereto and abutting each other to secure the object stated.

Having thus described the invention, what I claim is—

A device for cooling or warming places of the human body consisting of a coiled structure, the coiled portions of which are separated from each other and are approximately in parallelism, said structure being laterally flexible, and projections upon the respective coils abutting each other, said projections serving to hold the coils out of direct contact.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

BERNHARD RÖBER.

Witnesses:

HERNANDO DE SOTO,  
PAUL ARRAS.