March 17, 1925. 1,530,089

H. PERLMAN

SURGICAL BAKER

Filed March 15, 1922 2 Sheets-Sheet 1

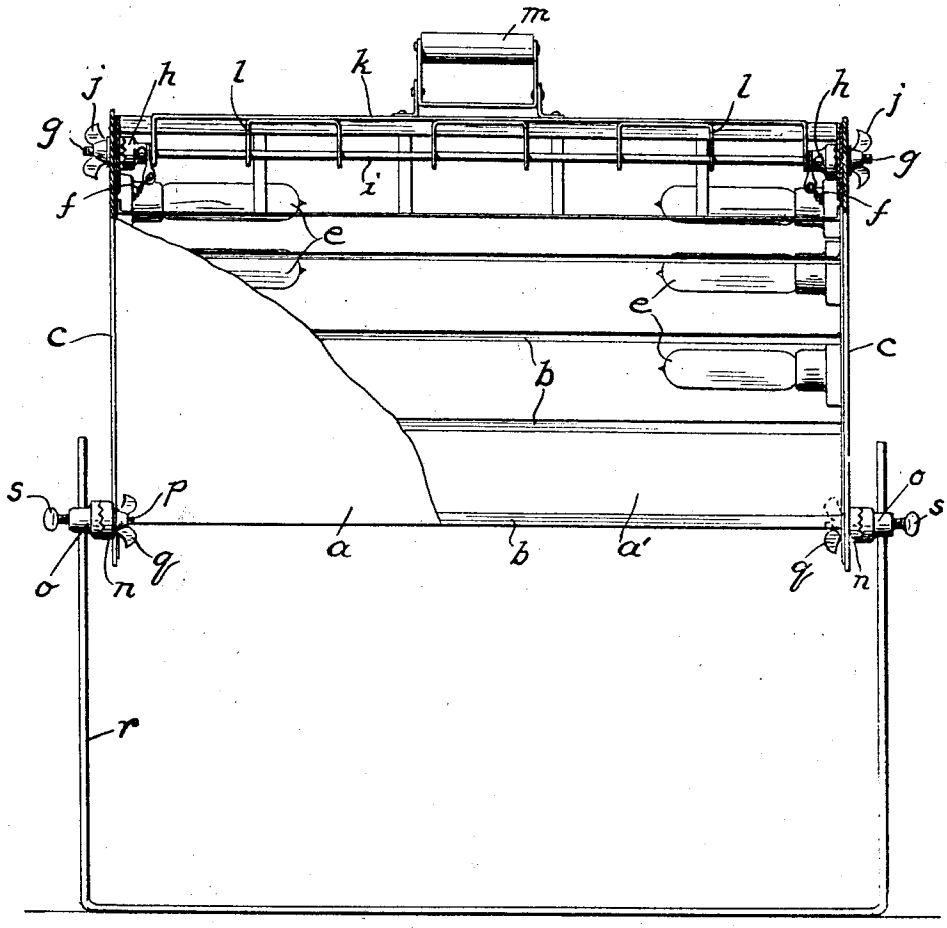


FIG. 1.

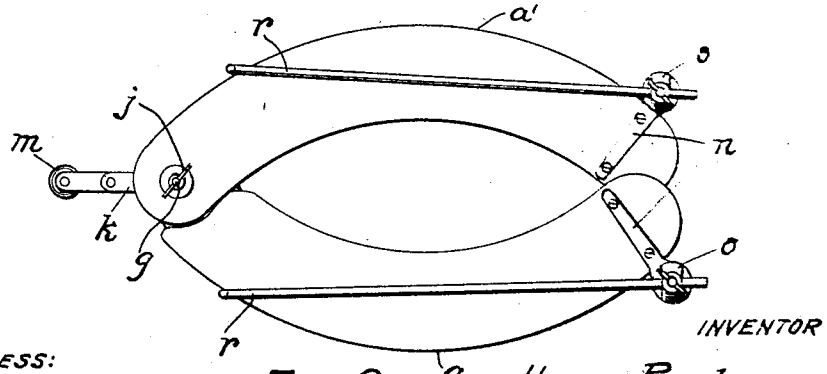


FIG. 2.

WITNESS:

Robt. R. Mitchel.

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March 17, 1925.

1,530,089

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SURGICAL BAKER

Filed March 15, 1922 2 Sheets-Sheet 2

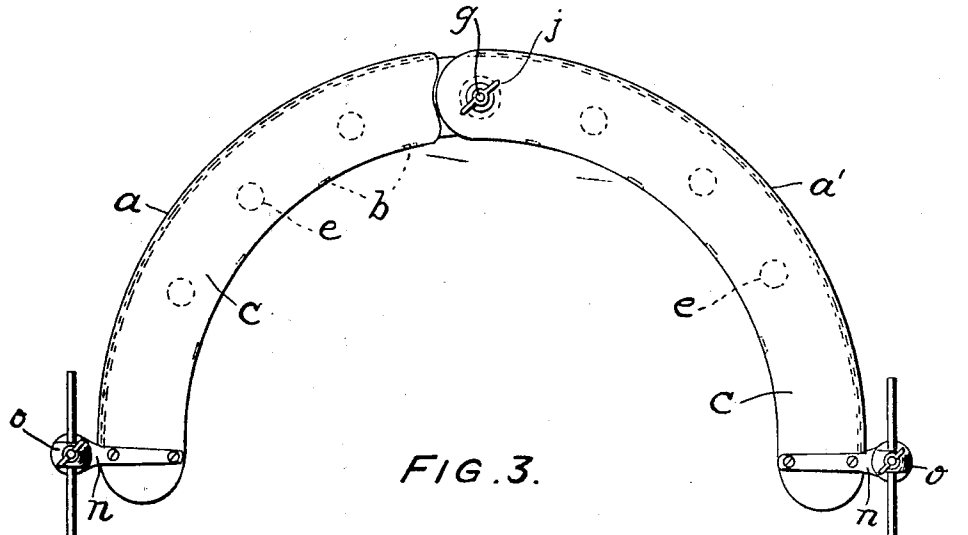


FIG. 3.

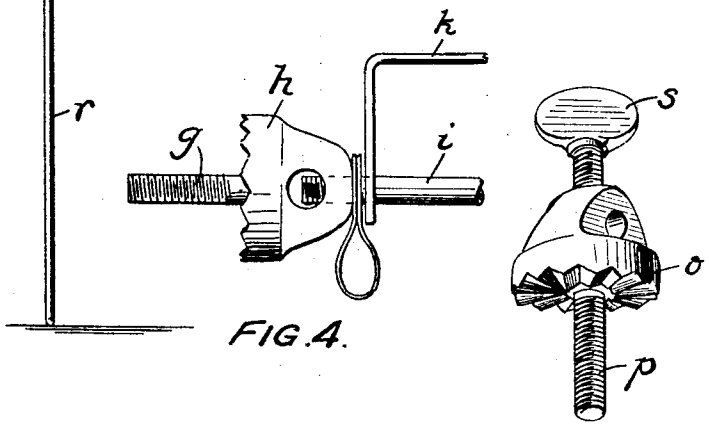


FIG. 4.

FIG. 5.

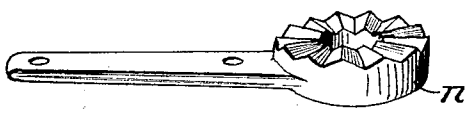


FIG. 6.

INVENTOR

WITNESS:

Henry Perlman

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Frank L. Busser

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Patented Mar. 17, 1925. 1,530,089

UNITED STATES PATENT OFFICE.

HENRY PERLMAN, OF PHILADELPHIA, PENNSYLVANIA.

SURGICAL BAKER.

Application filed March 15, 1922. Serial No. 543,826.

To all whom it may concern:

Be it known that I, HENRY PERLMAN, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Surgical Bakers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in surgical bakers of the type used in the application of heat, derived from electric lamps, to the limbs or other part of the body in the treatment of rheumatism, etc.

Heretofore the bakers of the type to which my invention applies have been difficult to properly apply to the patient because of the difficulty in properly supporting them in place and because of lack of adjustability. Thus a considerable variety of sizes have been required. Further, the bakers heretofore have been so cumbersome as to make their transportation from place to place highly inconvenient.

The object of my invention is to provide a baker which will be self-supporting and completely adjustable and which may be applied readily to the patient to be treated.

A further object of my invention is to provide a baker which may be readily compacted for transportation and the transportation of which may be readily accomplished by hand.

Further, to provide means for retaining the baker in operative adjustment or compacted, which will be highly efficient and insure the permanency of any adjustment until a change is desired.

Having now indicated in a general way the nature, purpose and advantages of my invention, I will proceed to describe a preferred embodiment thereof, in detail, with reference to the accompanying drawings, in which—

Fig. 1 is a longitudinal sectional view of a baker embodying my invention, partly broken away.

Fig. 2 is an end view of the subject of Figure 1 compacted for transportation.

Fig. 3 is an end view of the subject of Figure 1 adjusted to operative position.

Fig. 4 is a view of a detail of the construction of the subject of Figure 1.

Figs. 5 and 6 are views of the members forming connection between the body of the baker and its support.

The body of the baker comprises two similar arcuate members *a*, *a'*, each being longitudinally braced by means of metal rods *b*, which extend between the end pieces *c* covered with fibre. The end pieces *c* serve to support, on their inner faces, a series of lamps and lamp sockets *e*, suitably connected by means of wires *f*, adapted to be connected to a source of current through a switch, not shown, which may be of such a nature as to throw all or a part of the lights on.

At the top of the baker, the end pieces *c* of the body members *a*, *a'*, are adapted to overlap and are pivotally held together by means of threaded pins *g* which pass through the overlapped portions. The pins *g* extend from serrated or toothed bases *h*, which in turn are threaded on the end of a rod *i* which extends between the end pieces. The serrated bases *h* are adapted to be drawn against the inside of the end pieces *c* by means of wing nuts *j* threaded on the pins *g*.

Thus it will be seen that the body members *a*, *a'* are pivotally secured together and may be turned together or separately about the pivotal connection by merely loosening the wing nuts *j*, while when the wing nuts are tightened the serrated faces of the bases *h* bite into the inner faces of the end pieces *c* and positively prevent any turning of the body members on their pivot.

The rod *i* passes through the end members of an inverted U-shaped member *k*, which is supported at intervals by means of additional U-shaped members *l*, through the end members of which passes the rod *i*, and to which is secured a handle *m* for carrying the baker.

At the lower ends of the end pieces *c* are fixed brackets, upon the free ends of which are serrated or toothed clamp members *n*, adapted to be engaged by serrated clamp members *o* from which extend bolts *p* adapted to pass through members *m* and receive wing nuts *q*. The members *o*, similar to the members *h*, are bored at right angles to the extension of the bolts *p* for the reception of the free ends of U-shaped frames *r* while thumb screws *s* are threaded into the members *o* at right angles to the direction of extension of the free ends of

frames r for clamping engagement therewith to fix the clamps to the members. The members r are preferably made somewhat flexible and running longitudinally of the baker serve each to support one of the arcuate members a, a', while together they support the complete baker.

It will now be observed that by virtue of my invention the members a, a', forming the baker may be adjusted in any desired relation to each other about their pivotal connection. Further, that the body of the baker or either one of its component arcuate sections a, a', may be raised or lowered in a vertical direction. Further, one end of the baker may be adjusted above or below the other and due to the flexibility of the frame members r the stand may obtain the proper adjustment of the body without being warped or twisted out of shape.

It will also be observed that where adjustment is desired it may be readily made and where any adjustment is fixed due to the nature of the holding devices the adjustment will be positively maintained without any tendency to slippage; at the same time no restriction is imposed on the position into which adjustment may be made.

Further, by virtue of my invention, it will be noted that, as shown in Figure 2, the baker and stand may be folded or compacted into a relatively small space for transportation, and in folded position all the delicate parts, as the lamps, etc., will be thoroughly protected.

Having now fully described my invention, what I claim and desire to protect by Letters Patent is:

A surgical baker comprising a plurality of sections each having two end members and rods extending therebetween, the ends of the end members of adjacent sections overlapping each other, pivotal connections between the overlapping ends of the sections, the arrangement being such that when the sections are opened out an arch like structure is formed, means for securing the pivotal connections to form a rigid structure, a bracket secured to the free end of each of the end members, each bracket having a serrated face, a clamp member for each bracket having a serrated face for engaging the serrated face of the bracket, a clamping screw for clamping the clamp member to its bracket and about the axis of which the clamp member is adapted to be adjusted, each of said clamp members being provided with a bore, the axis of which extends at right angles to the axis of the clamping screw, a pair of U-shaped support members, the ends of which are resilient and are adapted to pass through the bores in said clamping members respectively, and means to secure said supports to said clamping members.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Pa., on this 30th day of January, 1922.

HENRY PERLMAN.

Witness:
GEORGE W. KANE.