

No. 730,531.

PATENTED JUNE 9, 1903.

G. L. GRIMME.
HEAD REST.

APPLICATION FILED NOV. 25, 1901.

NO MODEL.

FIG.1.

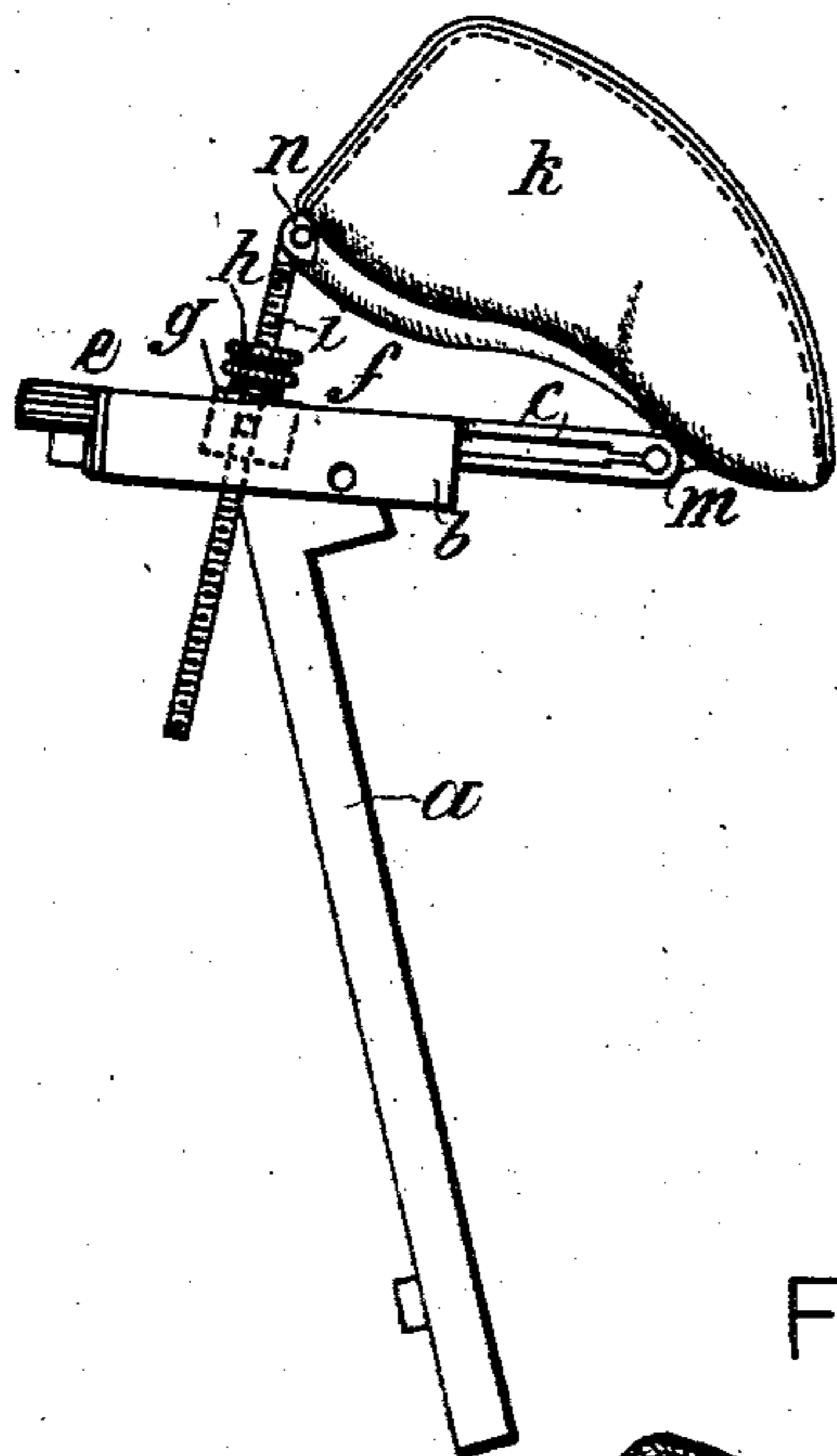


FIG.2.

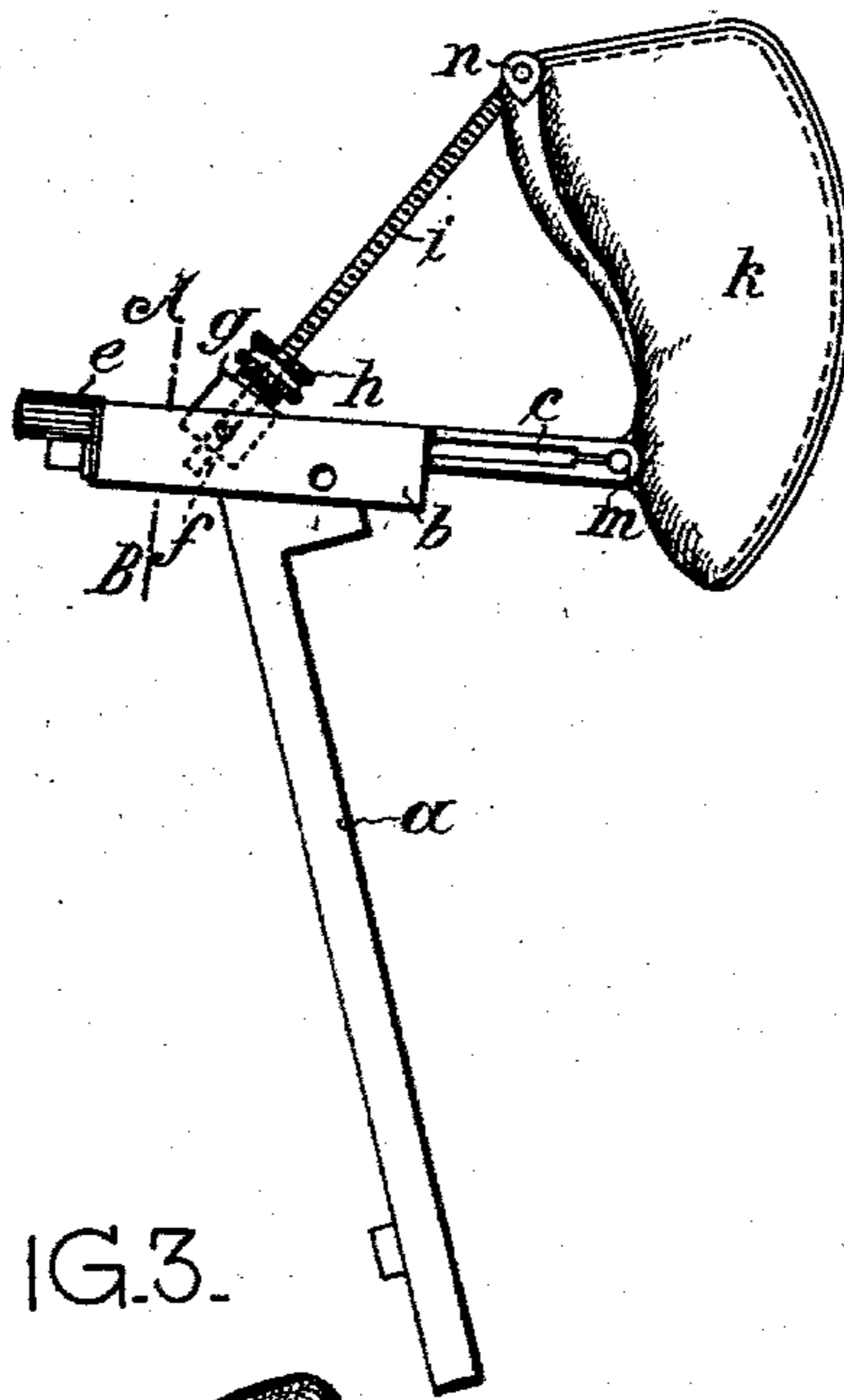


FIG.3.

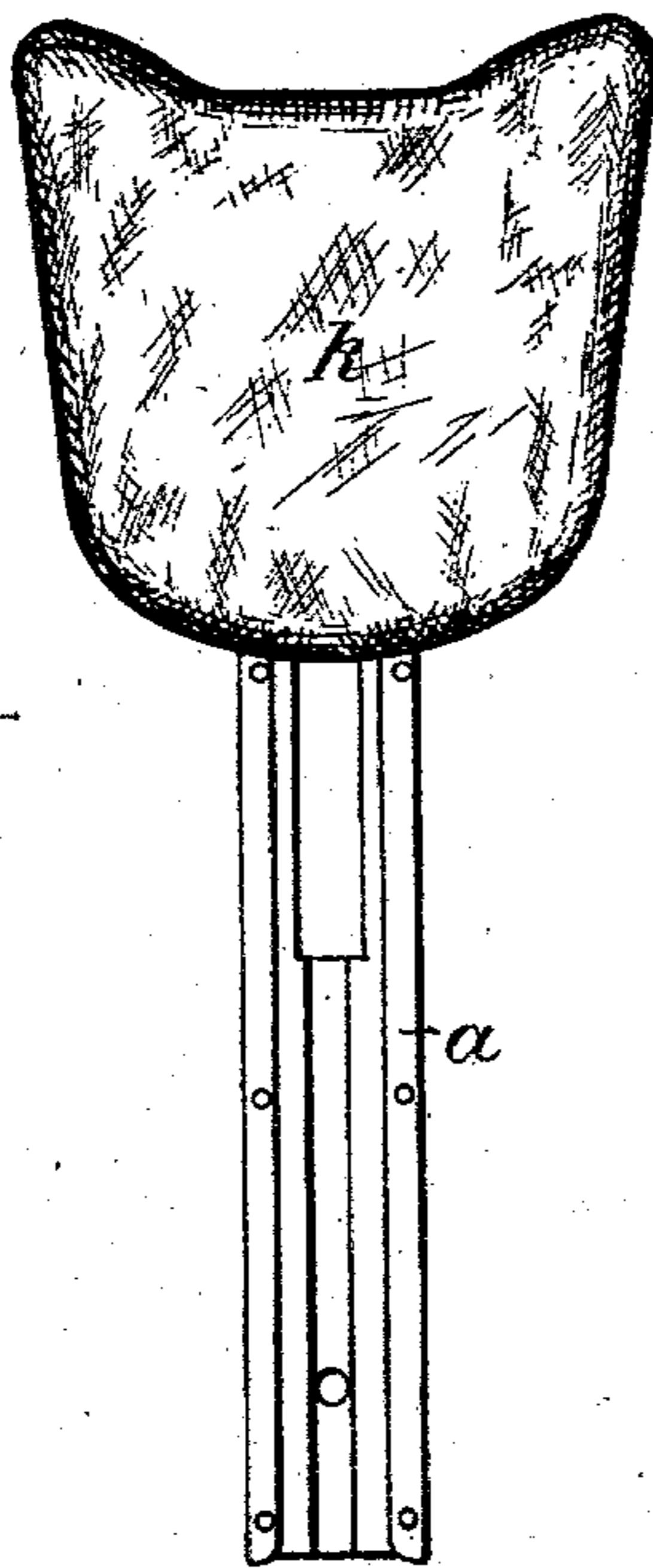


FIG.5.

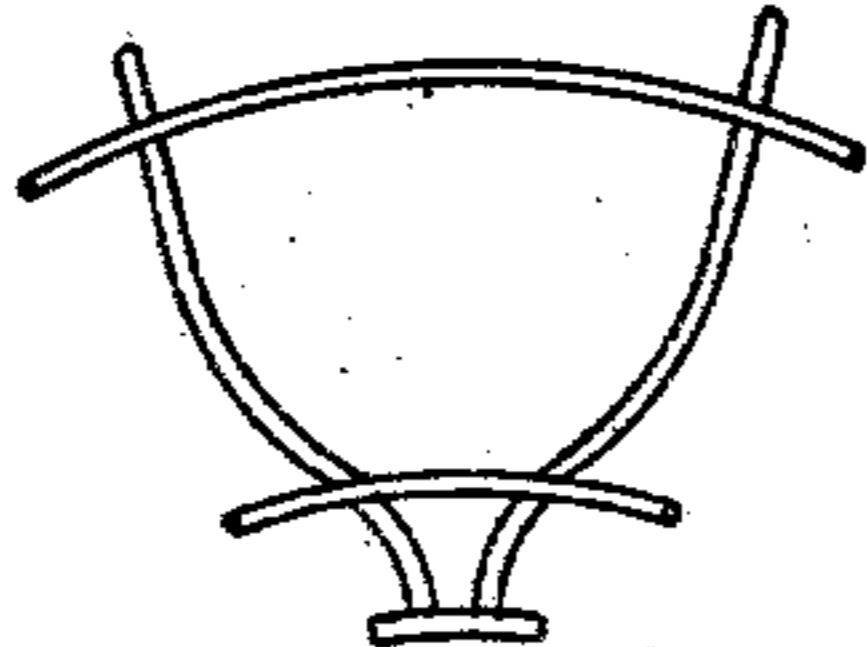
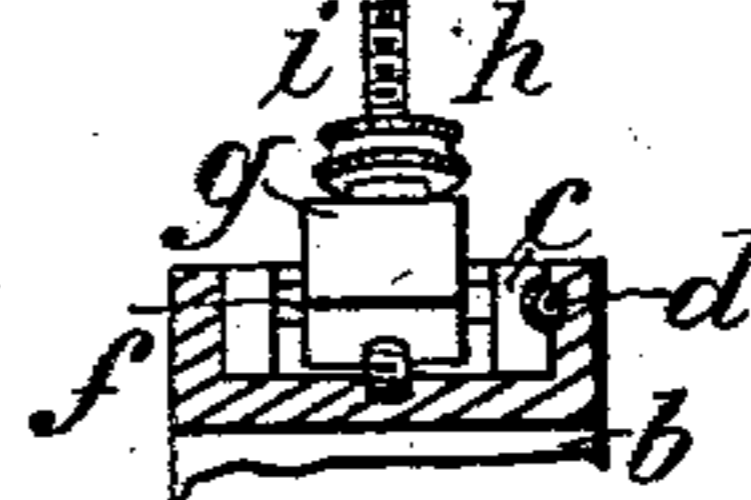


FIG.4.



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UNITED STATES PATENT OFFICE.

GEORGE L. GRIMME, OF BUENOS AIRES, ARGENTINA.

HEAD-REST.

SPECIFICATION forming part of Letters Patent No. 730,531, dated June 9, 1903.

Application filed November 25, 1901. Serial No. 83,504. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. GRIMME, a citizen of Argentina, residing at 126 Maipui street, Buenos Aires, Argentina, have invented new and useful Improvements in Head-Rests, of which the following is a specification.

My invention relates to head-rests.

With the head-rests heretofore employed for carrying out operations in the mouth, nose, throat, and so on the head itself has generally been held in inclined cushions between the temples and occipital or only at one point of the hind head. By head-rests of this kind the patient is inconvenienced to no inconsiderable extent, and the operation exceeding a certain short time is then felt more by the nervous patient on account of the unsuitable support of the head. By the apparatus constructed according to my said invention the head is supported only in the nape and at the lowest point of its hind part, so that it lies free.

In the accompanying drawings my improved head-rest is represented.

Figures 1 and 2 are side views showing different positions. Fig. 3 is a front view. Fig. 4 is a section on the line A B of Fig. 2. Fig. 5 is a front view showing the frame for the cushion.

The head-rest is held by a bar *a* in the guides of the operating-chair. At its upper end the bar carries a guide *b*, wherein the slide *c* is adapted to be shifted. As shown, this is effected by means of the screw *d*, which displaces a nut fixed in the slide *c*. The screw *d* is turned by the milled head *e* at the rear end. Instead of this device use may be made of a rack arranged on the slide and engaging with a pinion adapted to be turned from the rear end of the head-rest; but any other mechanism is available which will effect slight movements and hold the slide *c* in any desired position.

In the slide *c* is arranged a block *g*, fitted to be turned upon trunnions *f* and upon which the nut *h* bears. The block has a bore for the passage of a screw-threaded spindle *i*, upon which the nut *h* is displaced. The rest or support *k* is connected by a lower joint *m* with the slide *c* and by an upper joint *n* with the spindle *i*, so that by turning the nut *h* the rest or support *k* may be placed in

a more or less inclined position, while by displacing the slide the rest or support is adjusted in the horizontal direction.

The rest or support *k* comprises a frame, (shown in Fig. 5,) which may be made of thick wire soldered together. To this frame are directly attached the joints *m* and *n*. The frame receives the cushion, whose form corresponds to the lower third of the hind head and of the nape.

By reason of the form of the rest fitted to support the nape the patient not only is more comfortable, but will not be liable to change the position once assumed, which may easily be done with the head-rests hitherto used. Any other position of the head in which the patient's nape does not lie in the rest is felt to be wrong. If the nape bears upon the rest, the latter may be shifted forward and backward, higher and lower, without any need for the patient changing his position, raising his head, or moving it in any way.

A special advantage of the improved head-rest lies in the fact that the patient's head is freely accessible from all sides and that the operation is not interfered with by long projecting parts, such as is the case with the head-rests heretofore used.

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

1. A head-rest comprising a guide-piece having a guideway, a support of such form as to fit and partially inclose the nape and lower part of the back of the head, a slide-piece held in the guideway adapted for adjusting the support in the horizontal direction pivoted to the lower end of the support, a screw-threaded spindle for adjusting the inclination of the support pivoted at the top to the upper end of the support, a block secured by trunnions to the guide-piece and a screw-threaded nut for the spindle bearing on said block, substantially as shown and described.

2. A head-rest comprising a guide-piece having a guideway, a support of such form as to fit and partially inclose the nape and lower part of the back of the head, a slide-piece held in the guideway adapted for adjusting the support in the horizontal direction pivoted to the lower end of the support, a screw-threaded spindle for adjusting the

inclination of the support pivoted at the top to the upper end of the support, a block secured by trunnions to the guide-piece, a screw-threaded nut for the spindle bearing on said
5 block, and a supporting-standard secured to the guide-piece, substantially as shown and described.

3. A head-rest comprising a support having a guideway, a pillow or head-support, a
10 slide-piece held in the guideway adapted for adjusting the support in the horizontal direction pivoted to the lower end of the support, a screw-threaded spindle for adjusting the

inclination of the support pivoted at the top to the support, a block vibratorily mounted 15 in the guideway and a screw-threaded nut for the spindle bearing on said block, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of 20 two subscribing witnesses.

GEORGE L. GRIMME.

Witnesses:

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