A. S. FISKE.

Head-Rests.

No. 156,846. Patented Nov. 17, 1874.

Fig 1

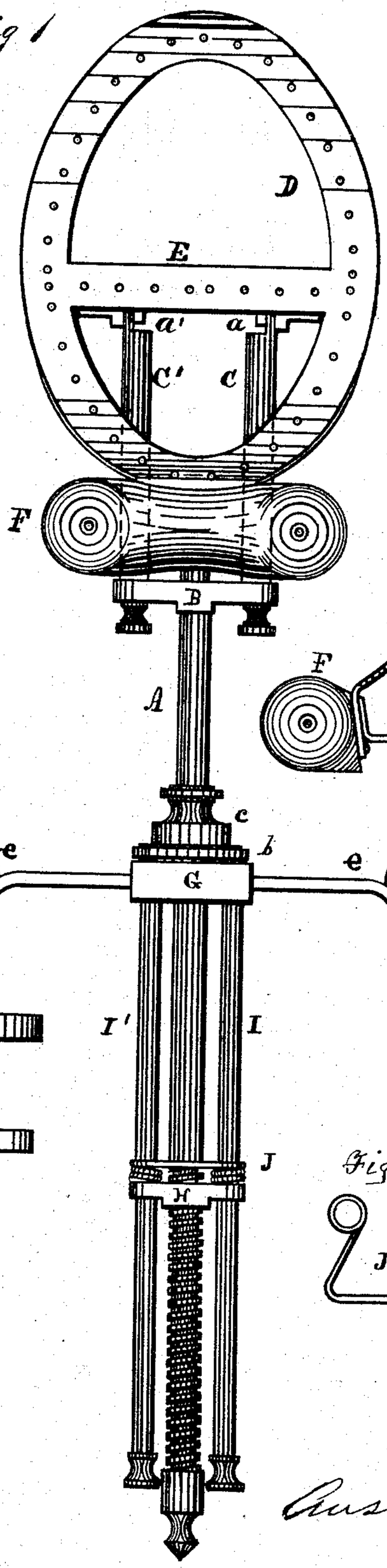

Fig 2

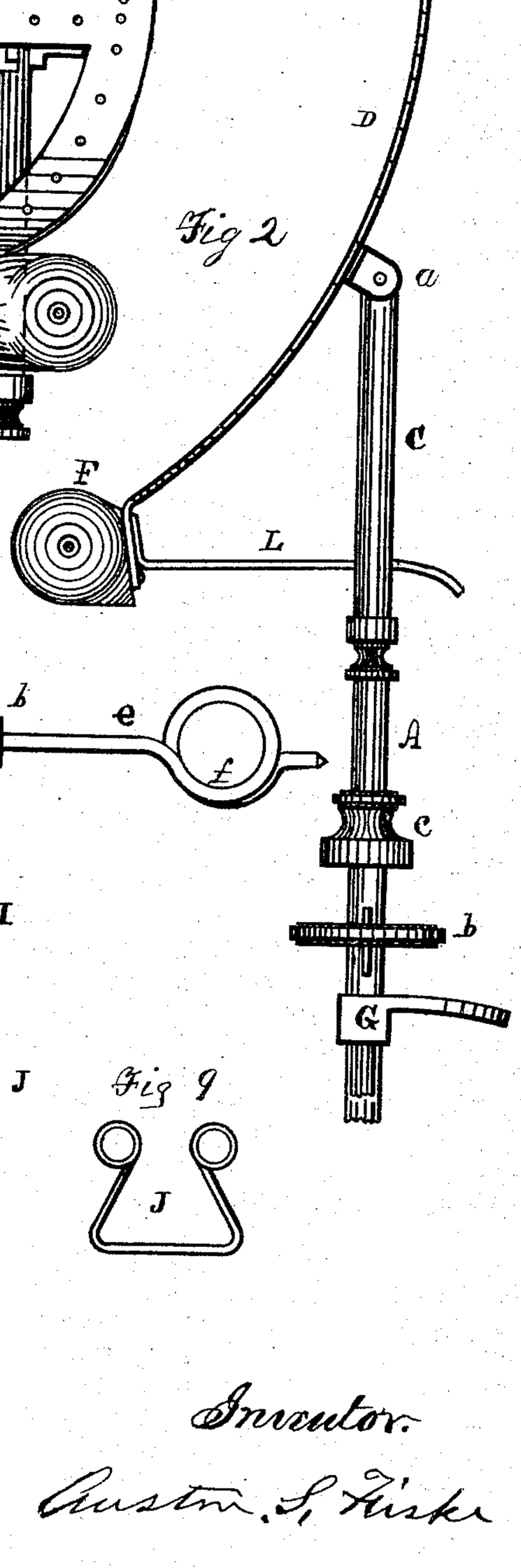

Fig 3

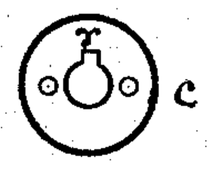

Fig 4

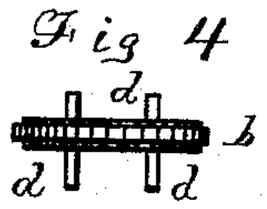

Fig 5

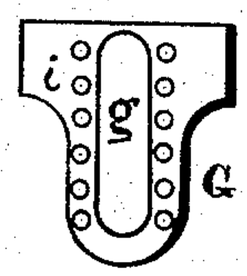

Fig 6

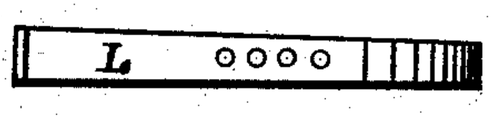

Fig 7

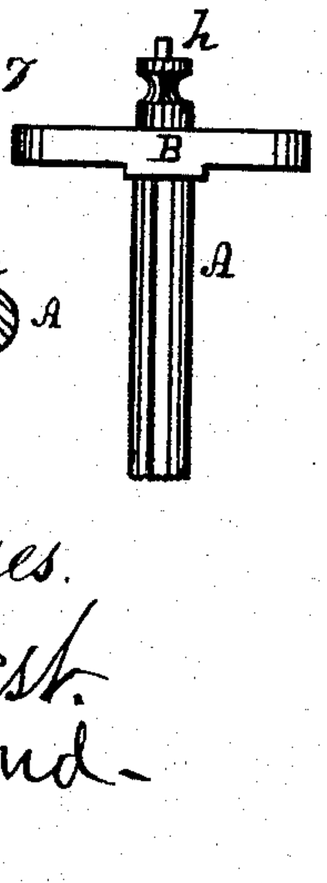

Fig 8

Fig 9

Witnesses.
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THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

AUSTIN S. FISKE, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN HEAD-RESTS.

Specification forming part of Letters Patent No. **156,846**, dated November 17, 1874; application filed March 23, 1874.

To all whom it may concern:

Be it known that I, AUSTIN S. FISKE, of the city of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Head-Rests, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation; Fig. 2, a side view, *e* being removed, and *c* and *b* being shown elevated from their proper position. The remaining figures are details.

My improvements are chiefly designed to be used in a portable head-rest, though several of them are equally applicable to a stationary head-rest. The objects of my invention are to construct a head-rest compact in form, and which can be easily adjusted in various positions, as hereinafter more fully set forth; and these objects I accomplish by the several devices herein described and claimed.

In the drawings, A represents a rod, having a screw-thread at the lower end, to the upper end of which the head-rest proper is connected. B is a cross head or bar, to which A is firmly secured. C C′ are the rods permanently connected at their lower ends to the ends of the bar B. D is the outer portion of the frame of the head-rest proper; and E a cross-piece, to which the upper ends of C C′ are hinged at *a a′*. F is a support for the neck, permanently connected to the lower part of D. G is a cross-piece, having a slotted extension on the back part thereof, provided with pin-holes *i*. (See Fig. 5.) H is another cross-piece, provided with a female screw to receive the lower end of the rod A. I I′ are vertical rods, secured at their upper ends to G, but sliding in H. J is designed to rest upon the seat or some other suitable portion of the chair to which the device may be secured. This piece J is made so that it can be adjusted upon the rods I I′. L is a metallic strap, secured to the back side of the neck-rest F. It is provided with a number of holes (see Fig. 6) to receive the top *h* of the post *a*, Fig. 7, for the purpose of adjusting the position of the part D. *b* is a plate, in which are secured two pins, *d*, protecting both above and below the plate. (See Fig. 4.) *c* is a sliding collar, having two holes in the under side to receive the upper ends of the pins *d*. (See Fig. 3.) The rod A is provided with a groove, *n*, on the back side, (see Figs. 7 and 8,) and the collar *c* is also provided with a groove, *r*, on the inside. (See Fig. 3.) A key, which is not represented, is to be inserted in the grooves mentioned, in such a manner that while *c* can be moved up and down on the rod A, it cannot turn thereon. The lower ends of the pins *d* are designed to enter the holes *i* in G. *e* are arms secured to G. The arms may be made of strong wire, bent as shown at *f*, the object being to provide suitable places at *f* for the reception of straps, by means of which the device may be secured to the back of the chair or other piece of furniture. The parts D E are to be upholstered in any suitable manner.

In use, the device may be secured to any piece of furniture adapted to receive it, by means of straps passing through the ends *f* of the arms *e*, the part J being adjusted so as to rest upon the seat or some other portion of the article of furniture. The head-rest proper can be adjusted vertically by turning the rod A either up or down, thus elevating or lowering the head-piece; but to do this the part *e* must first be raised away from the pins *d*, and the plate *b*, remaining in the position represented in Fig 1, will furnish a bearing for the rod A at that point while it is being rotated. When the head-piece has been brought to the desired height, *c* is to be brought down into the position represented in Fig. 1, and, engaging with the pins *d*, will lock the parts in the desired position. The angle at which the rod A stands can be varied by raising the collar *c* and the plate *b*, as represented in Fig. 2, withdrawing the pins *d* both from *c* and G; then the rod A can be carried back in the slot *g* in G as far as may be desired; then, by inserting the lower ends of the pins *d* in the proper holes *i*, and bringing *c* down to its place again, the rod A will be held in the position in which it has been placed. The upholstered head-rest proper, D E, being hinged to the upper ends of the rods C C′ at *a a′*, this part can be adjusted at any desired angle independently of any of the other parts, by means of the bar or strap L, as it can be made to engage with the pin *h*, upon the top of the rod A at different places.

The rod A may be inserted into B by means

of a screw-thread, and held in place by means of a nut upon the top thereof, the nut being provided with the pin *h*.

If L be permanently secured to F it should have some spring.

Elastic straps may be used to connect the device to an article of furniture, and they will adapt themselves somewhat to backs of various sizes. The parts *e* may be screwed into G.

When constructed as described the head-piece can be removed from the rod A, and the arms *e* can be removed from G, the device then can be packed in a small compass for transportation.

I do not limit myself to the exact mode shown of connecting D with the rod A. It is evident that the bar B, or the upper end of the rod A, might be hinged directly to the cross-bar E, thus dispensing with the rods C C′, in which case L would have to be connected with the rod A by some means other than the pin *h*. It might be placed in a vertical position, and pass through a slot in A, and be held by a pin; but the construction shown is preferable.

What I claim as new is as follows:

1. The combination of the rod A, hinged rest D, cross-bar B, rods C C′, and bar L, substantially as and for the purpose specified.

2. In a head-rest, the combination of the rod A, slotted guide-bar G, and plate *b*, substantially as and for the purpose specified.

3. In a head-rest, the combination of the rod A and parts G *b c*, all constructed and operating substantially as and for the purposes specified.

4. The combination of the main rod A, side rods I I, nut H, guide G, and plate *b*, all constructed and operating substantially as and for the purposes set forth.

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Witnesses:

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O. W. BOND.