

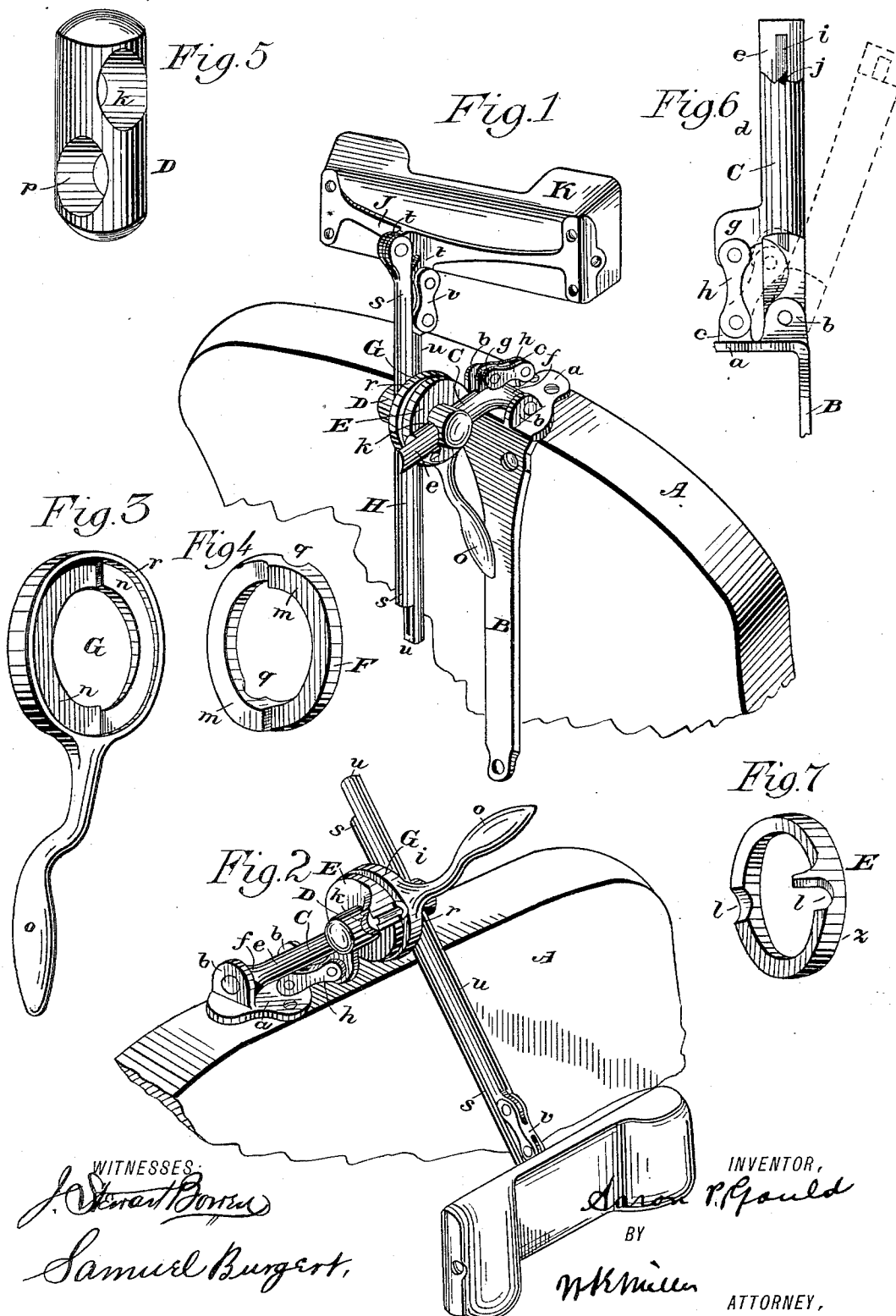
(No Model.)

A. P. GOULD.

HEAD REST.

No. 398,893.

Patented Mar. 5, 1889.



# UNITED STATES PATENT OFFICE.

AARON P. GOULD, OF CANTON, OHIO.

## HEAD-REST.

SPECIFICATION forming part of Letters Patent No. 398,893, dated March 5, 1889.

Application filed April 14, 1888. Serial No. 270,620. (No model.)

*To all whom it may concern:*

Be it known that I, AARON P. GOULD, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Head-Rests, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to improvements in head-rests; and it consists in providing a head-rest that may be secured to the back of a dental or surgical chair and be adjusted above or to either side, or down in front of the chair-back, and secured in such adjustment.

With these objects in view my invention consists of the hereinafter-described construction and combination of parts, as set forth in the claims.

Figure 1 is a view in perspective of a head-rest illustrating my invention. Fig. 2 is the same adjusted in front of the chair-back. Fig. 3 is a view of the fastening-disks and handle. Fig. 4 is a view of the stationary clamping-disk. Fig. 5 is a view of the supporting and clamping pin. Fig. 6 is a view of the parts by which the head-rest may be moved over and down in front of the chair-back. Fig. 7 is a view of the stationary clamping-disk.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

A represents the back of a chair to which the head-rest is secured by the portion B provided for that purpose, said portion having a forwardly-projected portion, *a*, upon which there is provided upwardly-projected lugs *b* and *c*. The supporting-stem C is formed of two parts, *d* and *e*, semicircular in cross-section; the part *e* having at its lower end a T portion, *f*, by which the part *e* is pivotally secured to the lugs *b*. The part *d* is provided at its lower end with an outwardly-projected lug, *g*, which is pivotally secured to the lug *c* by the link *h*. In the inner flat face of the part *e* is provided a groove, *i*, and on the inner face of the part *d* a tongue, *j*, adapted to the said groove *i*, by which the two parts are secured in alignment. The two parts when so arranged, forming the stem C, are passed through the perforation *k* in the supporting

and clamping pin D. The disk E is placed on said pin, the stem C resting in the depressions *l*. The disk G is then placed upon the pin D, the reverse or plain side resting against the face *z* of the disk E. Disk F is then placed in the pin D, the inclines *m* resting reversely on the inclines *n* of the disk G. The stem H of the head-rest is then placed through the perforations *p* of pin D, resting in the depressions *q* on the outer face of the disk F. In this case the disk F is not seen in Figs. 1 and 2, being obscured by the rim *r* about the disk G.

The stem H is formed of two semicircular parts of any desired length, and grooved and tongued, as stem C. The part *s* is pivotally secured to a lug, *t*, on the metal cushion-support J, and the part U is pivotally secured to the lug *t* on the cushion-support.

By turning the handle *o* in one direction the inclines *n* resting on the inclines *m*, the disks E and F will be forced apart and against the stems C and H, pressing them against the outer sides of the perforations *h* and *k*, securing the parts in the desired adjustment, and by turning the handle in the reverse direction the stems C and H will be released for adjustment, and when so released the stems C and H be moved in the perforations in the pin D for the purpose of moving the head-rest up or down or to adjust the cushion, or to turn the cushion over and down in front of the chair, as shown in Fig. 2, so as to bring the rest within the reach of children and secured in desired adjustment, the links *h* and *v* forming a brace to the parts when so adjusted.

The cushion K may be rocked on its pivotal connection with the part *s* of the stem H, the part *u* sliding on the part *s*, and the stem C may be moved forward and back over the top of the chair, and when the parts *d* and *e* are clamped together the link *h* will act as a brace to prevent the stem swinging on its pivotal connection with the portion B by which it is secured to the chair.

Having thus fully described the nature and object of my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, in a head-rest, with a

body portion, B, secured to the chair, of a supporting-stem formed of two parts, link *h*, cushion-support J, supporting-stem H, formed of two parts pivotally secured thereto, link *r*, pin 5 D, having perforations *k p*, clamping-disks E F G, having inclined planes *m n* placed on said pin between the stems C and H, and a handle for turning said disk G, whereby the adjustable parts may be secured in desired adjustment, substantially as described, and for the 10 purpose set forth.

2. In a head-rest, the combination, with a suitable support and a head-rest cushion, of a two-part stem connecting the head-rest 15 cushion with the support, one of the parts of the two-part stem being pivoted directly to the cushion-frame and the other connected therewith by a link, and a clamping device to lock the parts of the stem together and to 20 the support, the said link forming a brace when the stem is locked, substantially as set forth.

3. In a head-rest, the combination, with a

suitable support and a head-rest cushion, of a two-part stem pivoted to the support, one part 25 of the two-part stem being pivoted directly to the support and the other connected with the support by a link, means for connecting the cushion with said two-part stem, and a clamping device to lock the parts of the stem together, substantially as set forth. 30

4. In a head-rest, the combination, with a suitable support, and a head-rest cushion, of two two-part stems, each element of one of the two-part stems being pivotally connected to 35 the support, and each element of the other two-part stem being pivoted to the head-rest cushion, and an intermediate clamping device connecting said stems at points opposite their pivotal connection, substantially as set forth. 40

In testimony whereof I have hereunto set my hand this 15th day of March, A. D. 1888.

AARON P. GOULD.

Witnesses:

CHAS. R. MILLER,

W. K. MILLER.