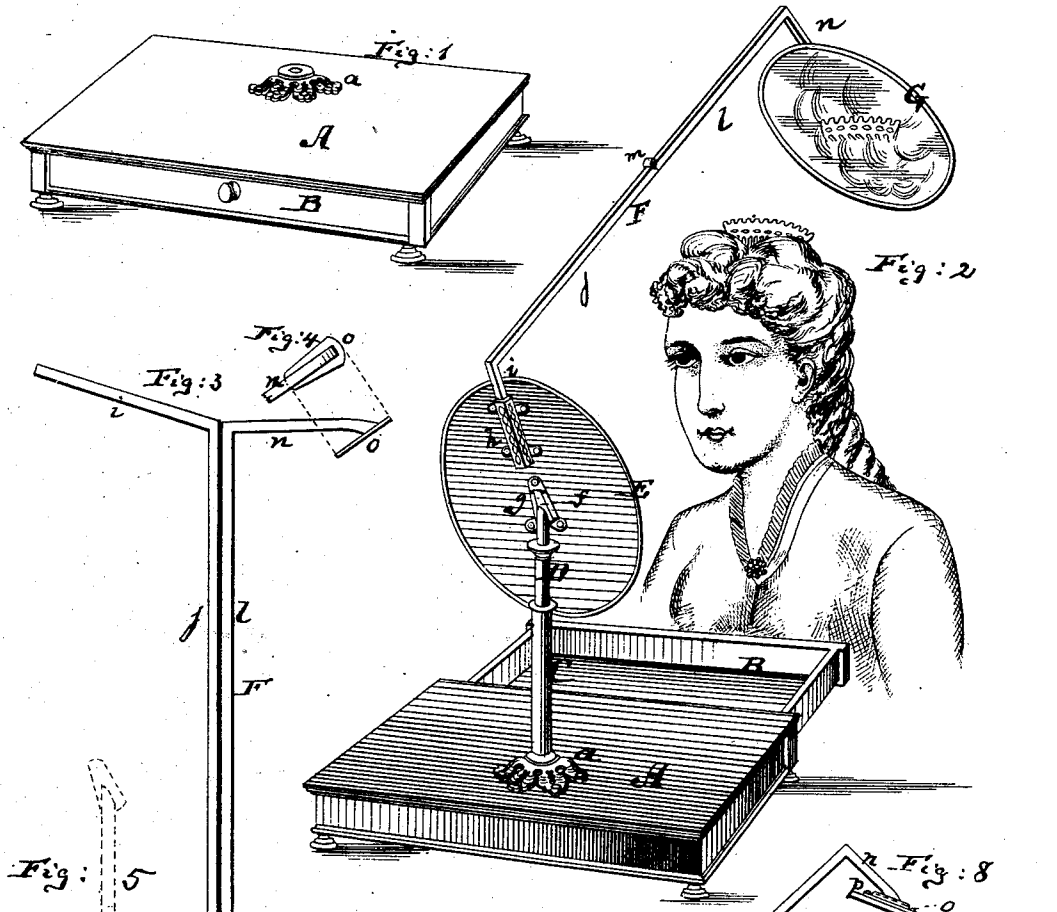
(No Model.)

H. PATTBERG.

MIRROR ATTACHMENT.

No. 245,091 Patented Aug. 2, 1881.



Witnesses.
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UNITED STATES PATENT OFFICE.

HILARIUS PATTBERG, OF JERSEY CITY, NEW JERSEY.

MIRROR ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 245,091, dated August 2, 1881.

Application filed June 6, 1881. (No model.)

To all whom it may concern:

Be it known that I, HILARIUS PATTBERG, of Jersey City, Hudson county, New Jersey, have invented an Improvement in Mirror Attachments, of which the following is a specification.

Figure 1 is a perspective view of the box carrying the supporting-socket for my improved mirror attachment. Fig. 2 is a perspective view of the mirror attachment complete. Fig. 3 is a side view of the jointed arm for supporting the upper mirror. Fig. 4 is a face view of one end of said arm. Fig. 5 is a sectional elevation of the post that holds the mirrors. Fig. 6 is a detail back view of the lower mirror; Fig. 7, a detail back view of the upper mirror; Fig. 8, an edge view of the upper mirror, showing it attached to the jointed arm, and Fig. 9 an edge view of the tapering socket that is attached to the back of the upper mirror.

This invention relates to a combination of parts for sustaining in position two mirrors, so that a person may obtain front and back views of the head at the same time; and the invention consists in the new combination of parts hereinafter described.

A in the drawings represents a box provided with a suitable drawer, B, that can be slid in or out at pleasure, and into which the parts of the mirror attachment can be placed when not to be used. The box A carries also on top a socket, *a*, which is rigidly attached to it, and which is adapted to sustain in position the post C of the mirror attachment. This post C, which is more clearly illustrated in Fig. 5, has a screw attachment, *b*, at its lower end, whereby it is adapted to be screwed into the socket *a*, which has a thread matched to that of the screw *b*. The body of the post C is hollow, as indicated in Fig. 5, and into it is put from above a swiveled rod, D, carrying at or near its lower end a frictional piston, *d*, which tends to sustain it at any desired height in the hollow post C, but an additional set-screw, *e*, may be used in the post for the purpose of clamping the rod D at any desired elevation. The rod D, which is intended to carry the mirrors, is thus vertically adjustable in the hollow post, and is also swiveled therein, so that it can be freely turned.

Instead of making the post C hollow and the rod D solid, the post may be made solid and the rod hollow, with substantially the same effect.

The upper end of the rod D carries an inclined wedge-shaped plate, *f*, which is intended to enter a tapering socket, *g*, that is attached to the back of the mirror E. This tapering socket *g* is clearly illustrated in Fig. 6, and, as shown there, has its broader side downward, and its narrower side upward, so that when the socket on the mirror is slipped upon the wedge-shaped projection *f* it will be firmly supported on the rod D and post C.

The mirror E may be of circular, oval, or any other suitable shape, and of such size as may be desired.

To the back of the mirror E, above the tapering socket *g*, is attached a prismatic socket, *h*, with closed or contracted lower end, which socket is intended to receive and support the leg *i* of a jointed bar, F. This jointed bar is composed of two pieces, *j* and *l*, that are united by a hinge, *m*, in such manner that in use the hinge is at the top, as shown in Fig. 2, allowing the two parts of the bar F to remain in line, as there shown. The part *j* of the bar F has the downwardly-projecting leg *i* that enters the socket *h*, and that is supported therein, so that the bar F stands at a certain angle forward of the mirror E. The part *l* of the bar F has also a downwardly-projecting arm, *n*, which is rigidly attached to its outer end, and which arm *n* carries at its lower end a tapering or wedge-shaped piece, *o*, similar in form and construction to the piece *f* already described.

The upper mirror, G, has attached to its back a tapering socket, *p*, in all respects like the socket *g*, as clearly shown in Fig. 7, which socket *p* is adapted to receive the wedge-shaped projection *o*, thus allowing the mirror G to be suspended from the bar F, as in Fig. 2, and as also clearly indicated in Fig. 8.

Thus constructed the mirror attachment is adapted to hold the two mirrors at the requisite angle and distance from each other, and any adjustment to this end is altogether unnecessary, the only adjustment needed being the height of the post C to bring the mirror E opposite the face of the person who intends to use it. To this end the post C is made exten-

sible, being provided with the vertically-adjustable rod D. The parts are readily taken asunder, the mirror G being slipped off the rod F, the rod F off the mirror E, and folded together on its hinge *m*, the mirror then slipped off the rod D, and finally the post C, with its rod being unscrewed from the socket *a*, whereupon all the parts may be placed into the drawer B until they are to be used again.

I do not broadly claim a mirror attachment having two mirrors arranged to reflect the front and back of the head, as several attachments for that purpose have already been in use; but

I do claim—

1. The combination of the post C, having swiveled extension-piece D, and plate *f* thereon, with the mirror E, having sockets *g* and *h*, and with the jointed rod F, having rigid arms *i* and *n*, mirror G, having socket *p*, all arranged for connection substantially as described.

2. As a new article of manufacture, the box A, having drawer B and socket *a*, in combination with the extension-post C D, mirror E, bar F, with rigid arms *i* and *n*, and mirror G, all arranged substantially as herein shown and described.

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Witnesses:

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