

(No Model.)

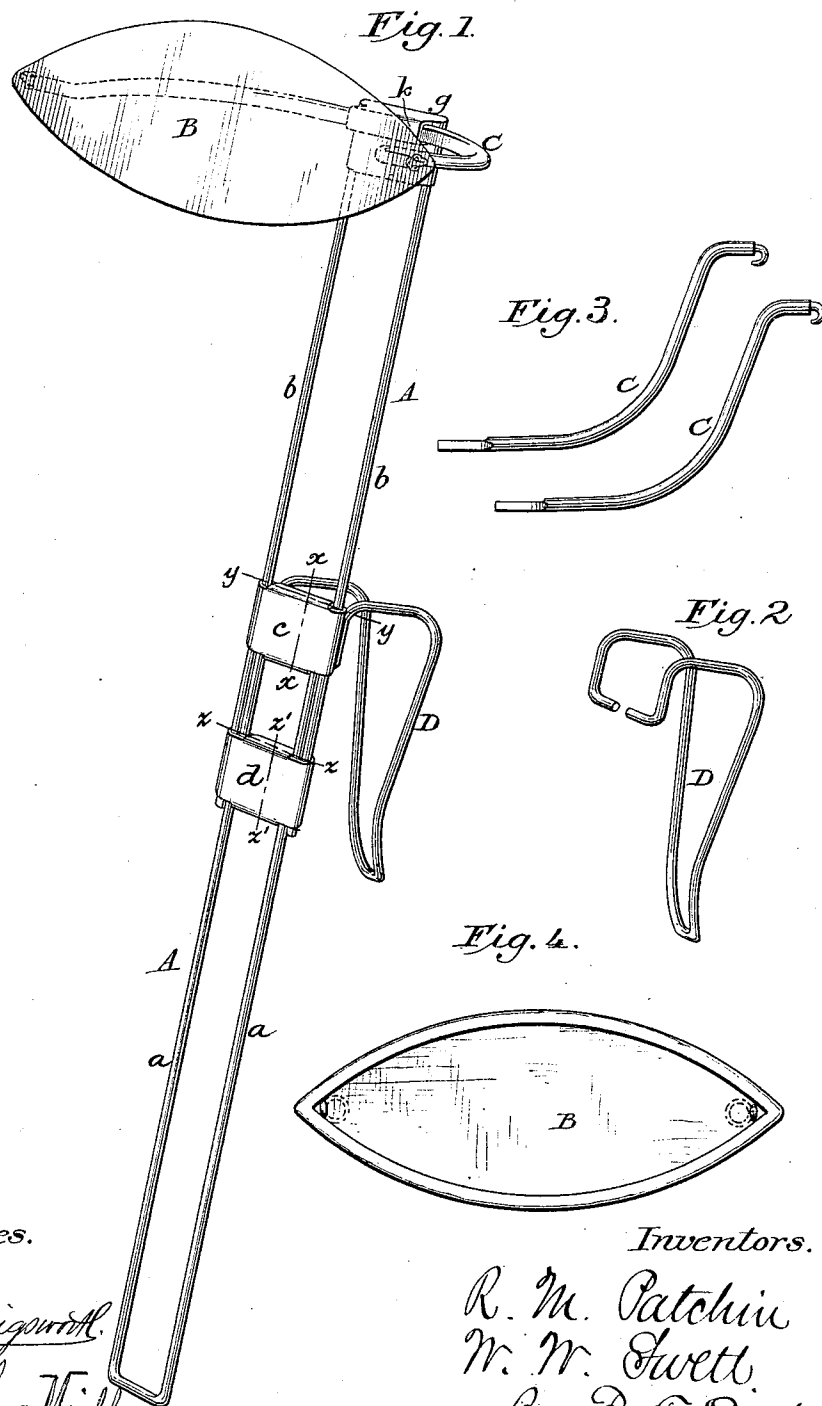
2 Sheets—Sheet 1.

R. M. PATCHIN & W. W. SWETT.

HEAD REST, &c.

No. 248,342.

Patented Oct. 18, 1881.



Witnesses.

S. P. Hollnagel
Robt. L. Miller

Inventors.

R. M. Patchin
W. W. Swett
By *P. T. Dodge* atty.

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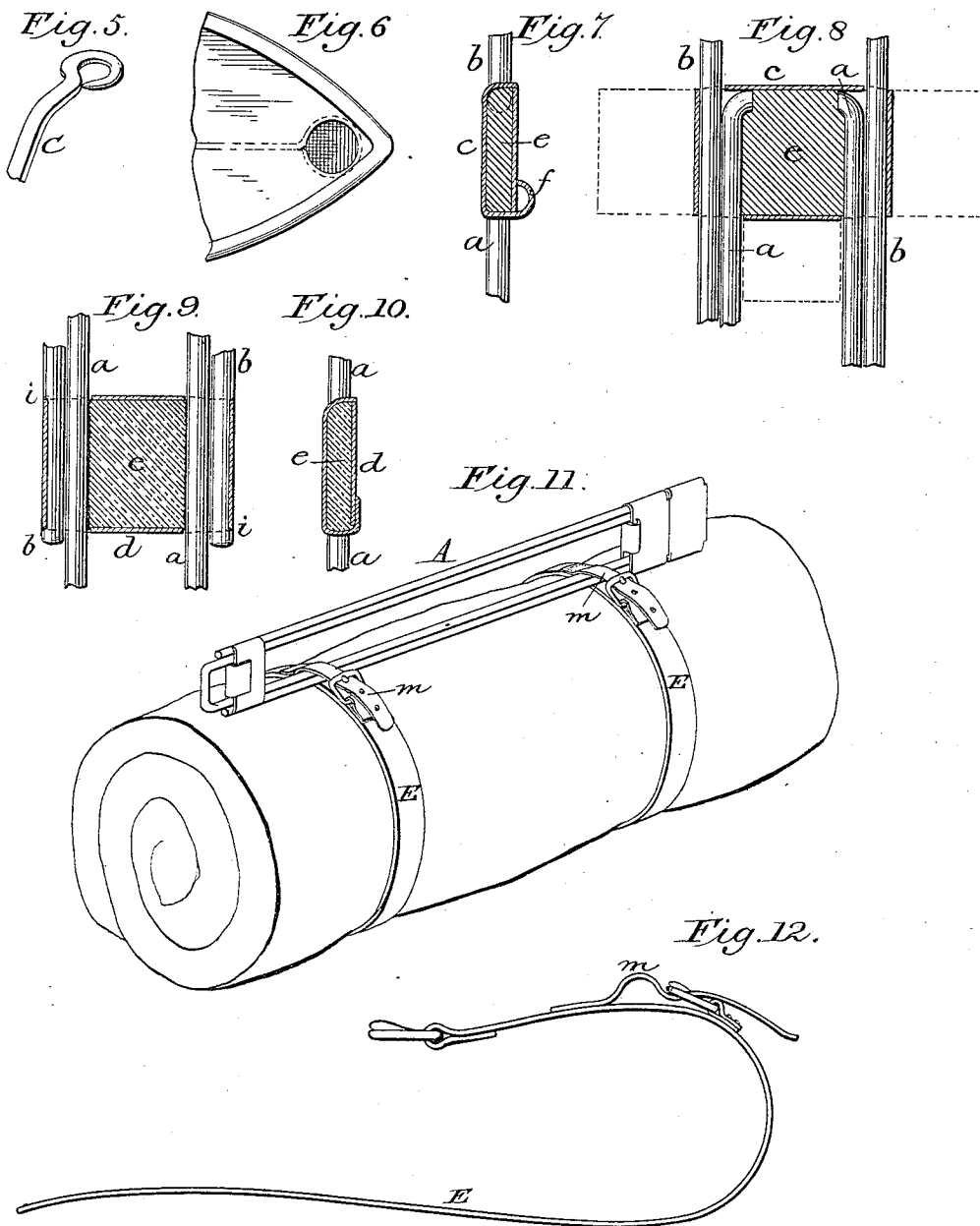
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UNITED STATES PATENT OFFICE.

REUBEN M. PATCHIN, OF WAYLAND, NEW YORK, AND WILBRA W. SWETT,
OF SPRINGFIELD, ILLINOIS.

HEAD-REST, &c.

SPECIFICATION forming part of Letters Patent No. 248,342, dated October 18, 1881.

Application filed June 3, 1881. (No model.)

To all whom it may concern:

Be it known that we, REUBEN M. PATCHIN, of Wayland, in the county of Steuben and State of New York, and W. W. SWETT, of Springfield, Sangamon county, Illinois, have invented certain Improvements in Head-Rests, &c., of which the following is a specification.

This invention relates to a portable folding device for the use of railroad and other travelers designed to serve the double purpose of a head-rest and a shawl-strap.

The invention consists in the peculiar construction and arrangement of parts, hereinafter described.

Figure 1 is a perspective view of the device in position for use as a head-rest. Figs. 2, 3, and 4 are views of detached parts. Figs. 5 and 6 are views showing a modified form of the arms for supporting the head-rest proper. Figs. 7 and 8 are sections on the lines *xx* and *yy*, respectively. Figs. 9 and 10 are sections on the lines *zz* and *zz'*, respectively. Figs. 11 and 12 are views illustrating the manner in which the device may be used, in connection with straps, as a shawl-handle.

The main element of our device consists of an extensible elastic standard, A, consisting of a steel wire, *a*, bent into a U form, and of two upright steel wires, *b b*, connected with wire *a* by means of sliding connections *c* and *d*, and also connected together at their upper ends by means of a cap or clasp, *g*, the slide *c* being attached to the upper ends of wire *a*, and the slide *d* being attached to the lower ends of the wires or arms *b b*, in the manner represented in Fig. 1. This construction permits the standard to be closed endwise into a short space or elongated to a greater or less extent, as circumstances may require.

The manner of forming and attaching the sliding connections *c* and *d* is an important feature of our invention, each slide consisting of a single plate of metal folded into shape, and fastened by soldering or brazing its edges, whereby the expense of machining—drilling and riveting—the parts is avoided.

The original form of the slide *c* previous to its being folded is clearly indicated by the dotted line in Fig. 8.

It will be seen that the plate forming the

slide completely incloses the upper ends of the arms *a* and encircles the rods *b*, and that its lower edge is also bent through between the former.

The upper ends of the wire *a* are bent inward, as shown in Fig. 8, and are held firmly in place within the slide by means of a filling, *e*, of wood, rubber, or equivalent material, inserted within the slide, as shown in Figs. 7 and 8. This slide *c* is also provided on the back with a loop or eye, *f*, to receive a device for supporting the rest, hereinafter described.

The filling *e* within the slide *c* is preferably made of rubber or other elastic material in order to force the arms *a* outward and produce a friction sufficient to prevent the parts of the standard from sliding upon each other accidentally.

The lower slide, *d*, is constructed in substantially the same manner as the slide *c*, and is secured to the lower ends of the arms *b b* by being seated into recesses or notches formed in their outer sides, as clearly shown at *i*, Figs. 9 and 10. This slide is also provided with a filling of rubber or other material to hold the arms outward in place, and to prevent the parts from sliding accidentally.

The cap *g* at the top of the standard is constructed in substantially the same manner as the slides, the arms *b* being bent inward and secured in the same manner that the arms *a* are secured within the slide *c*. On one side of the cap I form a transverse socket, *k*, to receive the arms by which the pillow or head-rest proper is sustained.

The head-rest or pillow consists of an elongated sheet of cloth, leather, or other flexible material B, as shown in Figs. 1 and 4, provided at its ends with eyes or openings to receive the ends of sustaining-arms C, the inner ends of which are inserted into opposite ends of the socket, from which they may be removed at will.

By means of the arms C the pillow or rest B is sustained in an extended position in front of the upper end of the standard, as shown in Fig. 1.

The ends of arms C may be provided with hooks to engage in metal eyes at the ends of the rest B, or they may be formed of a widened

circular form, as shown in Fig. 5, and simply slotted into slits in the ends of the rest B, so as to bear therein, as represented in Fig. 6.

For the purpose of sustaining the rest upon the back of a seat or other support, I provide a detachable hooked arm or clamp, D, formed of wire, with two elastic arms, the ends of which may be slipped into opposite ends of the socket on the back of the slide *c*, as clearly represented in Fig. 1. When detached this hook presents the appearance represented in Fig. 2, and occupies but little space.

When the device has its parts assembled as represented in Fig. 1 the standard may be supported upon a seat-back by means of hook D, in which position the rest B will serve as an easy and secure support for the head of the traveler.

When the device is to be packed away the arms C and rest B are detached, the hook D disconnected, and the standard closed together endwise.

In order to adapt the device for use in carrying shawls or other bundles, I may provide two leather straps, E, having buckles upon their ends, each adapted to encircle the shawl or bundle. Each of these straps is provided with a supplemental strap, *m*, sewed thereto at one end and buckled thereto at the other, the straps being secured around the shawl.

The closed standard A has one side secured to the main straps by means of the small straps *m*, as shown in Fig. 11, in which position the standard serves as a convenient handle by which to carry the shawl.

If desired, the support D may be attached to the standard while the latter is fastened to the shawl, and the shawl then secured upon the back of the seat by engaging the hook B over the latter.

The combination of the shawl-carrying straps with the standard is not claimed as any part

of the present invention, but is described and shown for the purpose of informing the public fully of the use which may be made of the device claimed.

While it is preferred to construct the standard in the manner hereinbefore described, the clasps may be used in connection with a standard composed of two wooden or metal bars arranged to slide one upon the other, and the removable arms and the sustaining clamp or clasp of our improved construction may in like manner be used with the solid standard.

Having thus described our invention, what we claim is—

1. In a portable head-rest, the standard provided with the socket *k*, in combination with the rest B and detachable arms C.

2. In combination with the rest-supporting standard, the detachable hook D, constructed and applied substantially as shown.

3. The combination of the extensible standard, the hook D, attached to the lower section of the standard, and the rest B, attached to the upper movable section of the same.

4. In a head-rest, the combination of the standard arms or wires *a* and *b*, and the connecting slides or clasps, each consisting of a single sheet of metal having its edges folded in position to embrace the arms, in the manner substantially as described and shown.

5. The combination of a clasp or slide, *d*, the arms or wires *b*, provided with recesses to receive a clasp, the arms *a*, and the internal filling whereby the arms are held outward to interlock with the clasp, as described and shown.

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Witnesses:

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