(No Model.)

W. W. DIRKSEN.

HEAD REST.

No. 564,874. Patented July 28, 1896.

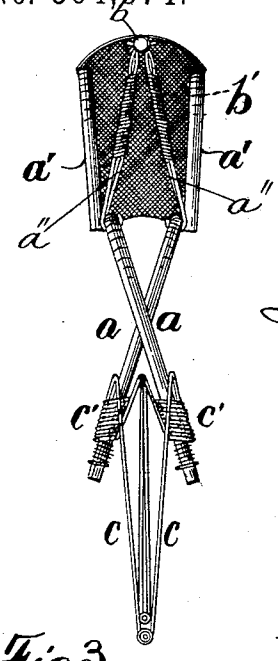

Fig. 3.

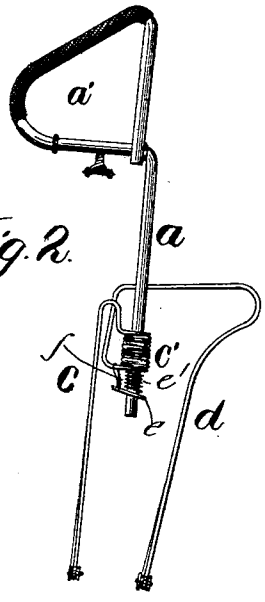

Fig. 2.

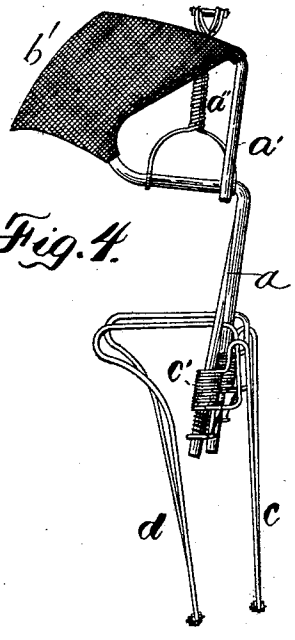

Fig. 4.

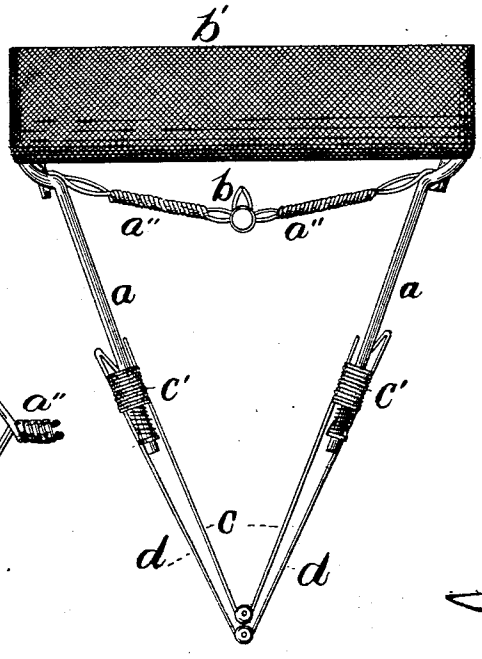

Fig. 1.

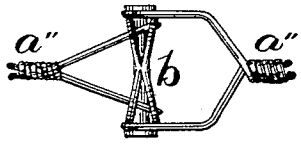

Fig. 5.

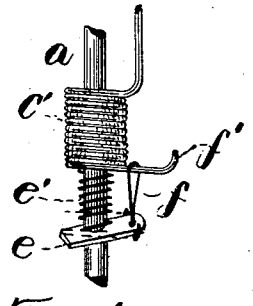

Fig. 6.

INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM W. DIRKSEN, OF JAMESTOWN, NEW YORK, ASSIGNOR OF ONE-HALF TO FRED BAUER, OF SAME PLACE.

HEAD-REST.

SPECIFICATION forming part of Letters Patent No. 564,874, dated July 28, 1896.

Application filed September 23, 1895. Serial No. 563,309. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. DIRKSEN, of Jamestown, in the county of Chautauqua, in the State of New York, have invented new and useful Improvements in Head-Rests, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to adjustable and portable head-rests adapted to be detachably secured to the back of a car-seat.

My object is to produce such a device which may be easily and readily attached and detached from a car-seat or similar places where head-rests are temporarily desired and at the same time be so arranged and constructed that they may be folded so as to occupy a minimum amount of space and pack away in a grip; and to that end my invention consists in the several new and novel features and combinations of parts hereinafter described, and which are specifically set forth in the claim hereunto annexed.

It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a front view of the device complete ready to be attached to the back of a seat. Fig. 2 is an edge view thereof. Fig. 3 is a rear view of the device after it has been folded. Fig. 4 is a perspective view thereof. Fig. 5 is an enlarged detail of the knuckle connecting the spanning arms. Fig. 6 is an enlarged detail showing how the head-rest is locked to any height desired.

a are pieces of wire bent at their upper ends, substantially triangular in form, as shown at *a'*, the lower side of the triangle being connected by spanning arms *a''*, having a knuckle-joint *b*, all constructed substantially as shown. Connecting the triangles *a'* is a web *b'*. Upon this web the head rests, it being so connected to the triangle as to form an incline, as shown in Fig. 2, so as to adapt itself to an easy position for the head when thrown back.

c and *d* are V-shaped springs secured upon the shank or wire *a*, as shown, in any ordinary manner, preferably, however, by winding the ends around the shank to form the eye *c'*. These eyes *c'* are made large enough to allow the lower ends of the shanks *a* to pass freely through them for the purpose of adjusting the head-rest to any desired height. The wire *d* starts from the rear pivotal connection, and is first carried up, then forward and down to form the base of the eye, which is coiled on said base, the same wire being then carried forward and down to the front pivotal connection, one pair of said wires being thus formed of a single strand and the other being formed in the same manner.

e is a perforated plate mounted upon the shank *a*, and *e'* is a spring interposed between it and the eye *c'* for the purpose of forcing them apart, *f* being any suitable connection between one end of the plate *e* and the lug *f'* upon the eye, so as to throw it out of line for the purpose of making a lock to hold the rods *a* at any height desired.

When it is desired to adjust the rods *a*, the plate *e* is raised to the position shown in dotted lines in Fig. 6, when the rods may be readily moved up or down. It will also be observed that when the web *b* is extended as shown in Fig. 1 the arms *a''* will be forced down and hold it in its extended position. When it is desired to fold up the rest, the center of the arms *a''* is raised until they assume the position shown in Fig. 3, when the rods are forced toward each other. The springs *c* and *d*, which are elastic and pivoted together at their lower ends, are then forced one-quarter of the way around, so as to throw the rods *a* across each other, as shown in Fig. 3, and the completed head-rest may be packed up.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

In a head-rest, the springs pivoted together at their lower ends, and provided with the eyes *c'*, combined with the wires or rods *a*, connected at their upper ends by the web; perforated plates through which the lower ends of the wires or rods *a* are passed, supports for one end of the plates, and springs placed upon the wires or rods for forcing the plates downward, substantially as shown.

In witness whereof I have hereunto set my hand on this 7th day of September, 1895.

WILLIAM W. DIRKSEN.

In presence of—

J. DELEVAN CURTISS,

LOUISE F. SMITH.