(Model.)

H. NEUFELD.

CAP.

No. 243,947. Patented July 5, 1881.

Fig: 1.

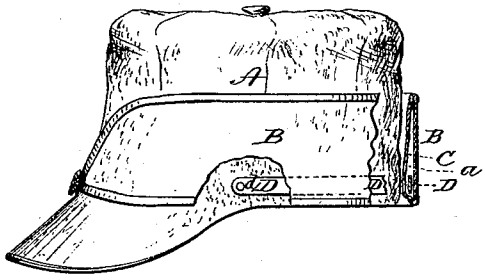


Fig: 2.

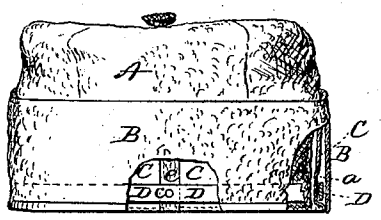


Fig: 3.

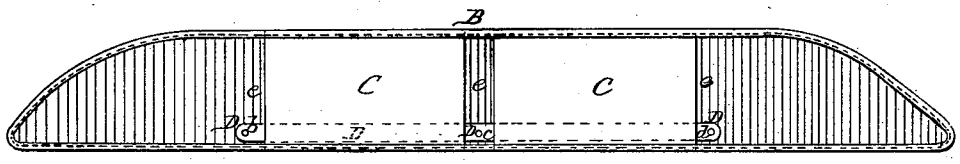


Fig: 4.



Witnesses:

H. L. Wattenberg

M. Lovell

Inventor:

Harris Neufeld.

by Munn & Co

Attorney.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

HARRIS NEUFELD, OF NEW YORK, N. Y.

CAP.

SPECIFICATION forming part of Letters Patent No. 243,947, dated July 5, 1881.

Application filed January 25, 1881. (Model.)

To all whom it may concern:

Be it known that I, HARRIS NEUFELD, of the city, county, and State of New York, have invented a new and useful Improvement in Caps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

This invention is in the nature of an improvement in caps; and the invention consists in a cap provided with an immovably-fixed bar of metal, or other rigid or semi-rigid material, whereon a protector may slide up and down, as is more particularly hereinafter described.

In the accompanying sheet of drawings, Figure 1 represents a side view, partly in section, of my improved cap with protector raised; Fig. 2, a rear view of same; Fig. 3, a view of inner side of protector, and Fig. 4 a side view of my cap with protector pulled down.

Similar letters of reference indicate like parts in the several figures.

This invention relates more particularly to that class of winter-caps which have capes or protectors to cover the ears and neck. As is well known, the construction of such caps and the means of adjustment of their protectors are various. To improve upon them, and to add valuable features which will obviate many defects existing in the caps now commonly made and used, I construct my cap A with a protector, B. This protector consists of a band of cloth of any suitable width and length, with its ends joined and fastened in front, as shown in Figs. 1 and 4, or fastened at the sides of the cap. This protector has its inner surface covered by a lining, C, which lining is sewed to the protector at its edges only, leaving a clear and unobstructed space, *a*, between the inner surface of the protector B and the inner surface of the lining C.

To the rear half of the cap-body A, and at or near its lower edge, is fixed, by riveting, sewing, or in any convenient manner, a strip or wire, D, of steel, iron, brass, or any other suitable rigid, semi-rigid, or elastic material. This bar or strip D is secured to the cap-body at certain points only—for instance, at its extremities and midway between its extremities, as shown at *b*, *c*, and *d*, Figs. 1, 2, and 3, or at any other convenient points—the object being to leave the bar unattached at other points. This bar passes between the lining C and protector B, the lining C being cut away in a vertical line to the points at which the bar D is fastened to the body of the cap, as at *e*, Figs. 2 and 3.

Now, my cap being constructed substantially as above described, is operated as follows: As the protector B is drawn down to cover the ears and neck of the wearer of the cap, the bar D being stationary and practically rigid, it acts as a guide, whereon the inner surfaces of the lining C and protector B slide, acting as such slide also when the protector is raised to its upper position, (see Figs. 1 and 2,) and in this way permitting the free up-and-down sliding movement of the protector, the spaces *e* in the lining preventing the points of attachment *b*, *c*, and *d* from interfering with this free sliding movement. The bar D also, since it is secured between the lining C and protector B, serves to keep the protector in place against the body of the cap and to limit the movement of the protector, so that its upper edge cannot be drawn below the lower edge of the cap-body, nor its lower edge above the lower edge of the cap. The points at which the front ends of the protector are united to the body of the cap may act as pivots to facilitate the movement of the protector or its adjustment.

By combining in this way a protector for the ears and neck of the wearer of the cap with a bar of rigid material not only is a positive sliding motion given to the protector, but the folding of the protector, or of a connecting-strip of cloth between it and the body of the protector, is avoided, preventing thereby the bunching out of the protector and causing it to slide up and down with certainty and ease.

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

1. A cap with an ear and neck protector provided with a bar or strip of rigid or semi-rigid material immovably fixed to the body of the cap and encircling the rear portion thereof, whereon the protector may slide up and down, substantially as and for the purpose described.

2. In a cap with an ear and neck protector, a bar of rigid or semi-rigid material immovably fixed at given places to and encircling the

rear half of the cap-body and near its lower edge, in combination with an ear and neck protector, and a lining for the same having spaces *e* to permit the lining to slide past the places *b c d*, at which the rigid bar is secured to the cap-body, substantially as and for the purposes described.

3. In a cap with an ear and neck protector, the protector thereof having a lining on its inner face, which lining is fastened at its edges only to the protector, and between which lining and the protector a rigid or semi-rigid bar immovably fixed to the cap-body passes, substantially as and for the purpose described.

4. In a cap with an ear and neck protector, the combination of the protector, with its ends secured to the body of the cap at its front by attaching devices to act as pivots, with a rigid or semi-rigid bar immovably fixed to and encircling the rear half of the cap-body, substantially as and for the purpose described.

5. In a cap, a narrow band combined therewith extending rearwardly from opposite sides of the peak and so attached as to provide spaces or passages for the reception of loops, substantially as described.

6. The combination, in a cap, of a narrow band encircling the rear portion or back of the cap and so attached as to provide loops or intermediate passages, and an adjustable warming-band formed with suitable vertical loops adapted to be passed over and under the band of the cap and connected at its front end, substantially as described.

In testimony whereof I have hereunto set my hand.

HARRIS NEUFELD.

In presence of—
H. L. WATTENBERG,
G. M. PLYMPTON.