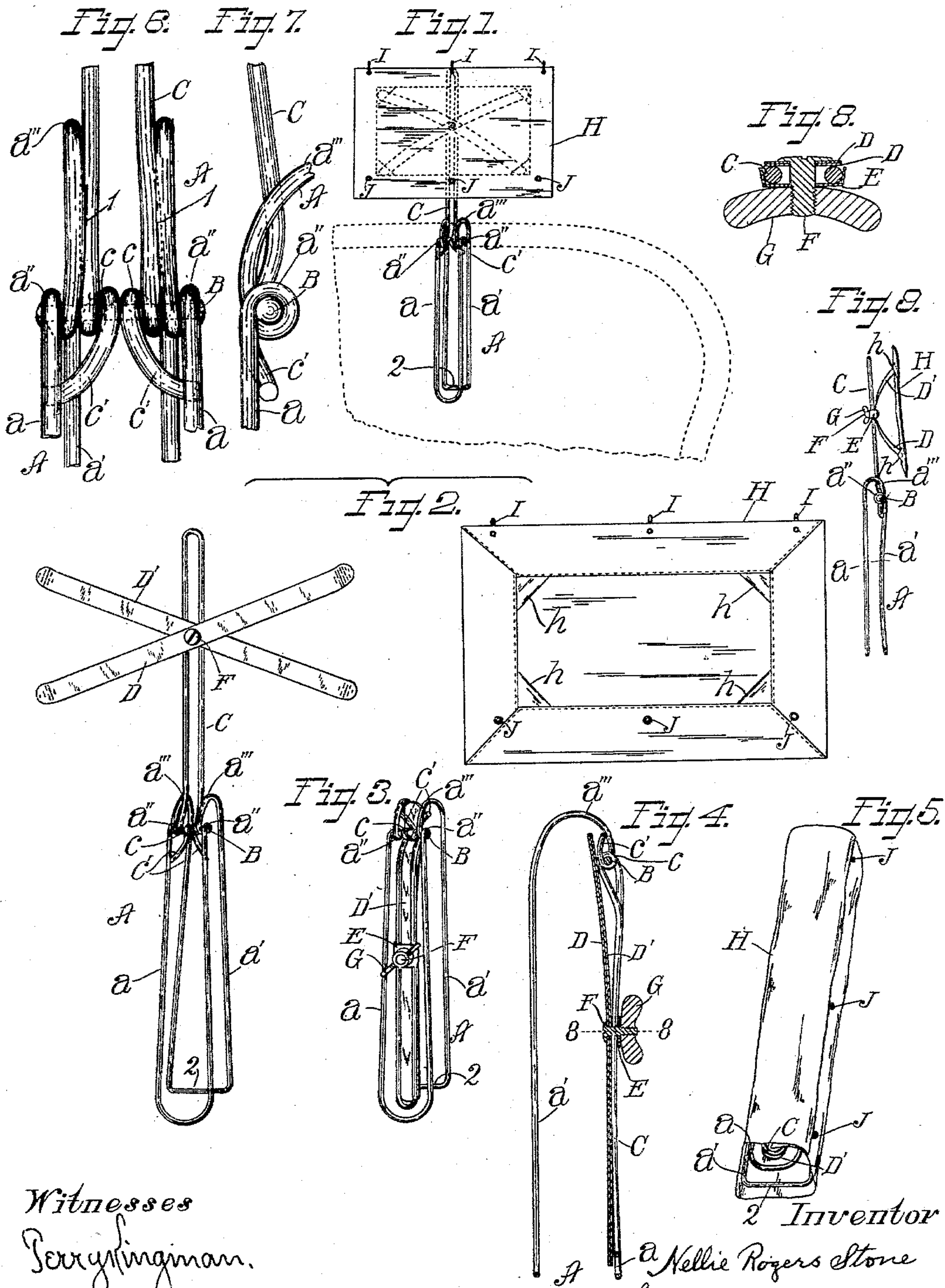


(No Model.)

N. R. STONE.
POCKET FOLDING HEAD REST.

No. 597,336.

Patented Jan. 11, 1898.



Witnesses

Berry Kingman.

Eugenia Waterman.

2 Inventor

Nellie Rogers Stone

Hazard Townsend
her Attorney

UNITED STATES PATENT OFFICE.

NELLIE ROGERS STONE, OF BRYNMAWR, CALIFORNIA.

POCKET FOLDING HEAD-REST.

SPECIFICATION forming part of Letters Patent No. 597,336, dated January 11, 1898.

Application filed January 6, 1897. Serial No. 618,199. (No model.)

To all whom it may concern:

Be it known that I, NELLIE ROGERS STONE, a citizen of the United States, residing at Brynmawr, in the county of San Bernardino and State of California, have invented a new and useful Pocket Folding Head-Rest, of which the following is a specification.

The object of this invention is to provide a very cheap, convenient, and comfortable head-rest to be placed upon the backs of railway-seats and which will be acceptable to travelers and to the railway companies and which can be folded into a small compact bundle to be carried in an overcoat-pocket or in a traveling-bag without inconvenience.

The accompanying drawings illustrate my invention.

Figure 1 is a perspective view of my newly-invented head-rest as it appears when ready for use. Dotted lines indicate a fragment of a car-seat to show how the head-rest is applied. Fig. 2 shows the head-rest frame and slip separated. Fig. 3 shows the head-rest frame folded ready to be wrapped in the slip. Fig. 4 is a longitudinal mid-section of the head-rest frame. Fig. 5 shows the head-rest folded and wrapped ready to be put into a pocket or traveling-bag. Fig. 6 is a fragmental detail of the hinge between the standard and the seat-back-clamping member of the frame. Fig. 7 is a view of the same at right angles to Fig. 6, the clamping member being broken away at the bend. Fig. 8 is a transverse section of the standard and spring-straps at line indicated by 8 8, Fig. 4. Fig. 9 is a side elevation of the head-rest as it appears when ready for use.

My invention comprises the combination of a seat-back-clamping member A, formed of a double loop $a a'$, of wire, with a coil a'' in each of the arms of one loop, a , near and below the bend a''' , which unites said arms of the loop a with the arms of the other loop, a' , a pintle B, inserted through and fastened in the said coils, and a head-support standard C, formed of a loop of wire with coils $c c$ near the lower ends of the arms of said loop, said coils being around the pintle, the lower ends c' of said loop being spread apart and brought behind the coiled arms a of the clamp to engage the inner sides of said clamp-arms when the standard is upright, and one or more of said

arms being bent laterally, as at 1, Fig. 6, to cause the standard to engage the clamp-wires above the pintle when the standard is upright, so that when the standard is upright it is held by the engagement at 1 against doubling forward and is held by the ends c' and the clamp-arms a against bending backward.

My invention also comprises the combination, with a seat-back-clamping member and a pintle, of a head-support standard formed of a wire loop C, with pintle-receiving coils near the lower ends of the arms of said loop and between said arms to hold them apart, spring-straps D D' on one side of said loop, a U-clamp E on the other side of the loop, a bolt F, inserted through the straps, the loop, and the U, and a nut G on the bolt to clamp the parts together.

It also includes in a head-rest the head-support standard C, formed of a wire loop, with pintle-receiving coils near the lower ends of the arms of said loop, the ends of said arms being bent outward beyond the sides of the loop, as shown in Fig. 6, to catch upon the seat-back-clamping member, to which the standard is pivoted by a pintle through the coils.

It also includes a head-rest comprising a seat-back-clamping member, a standard pivoted thereto, with spring-straps, a clamp with bolt for pivoting and clamping the straps to the standard, and a head-support sheet H, provided on its back with four pockets h to receive and hold the ends of the straps when bowed.

The wire which I prefer to use for the standard and seat-back clamp is round Bessemer-steel wire, and in manufacturing the device the standard and seat-back clamp are bent into form while cold, and the ends of the wire which form the double loop of the seat-back clamp A are brazed or otherwise fastened together.

2 indicates the point at which the ends are preferably fastened; but the joint can be made so perfect that when plated it is not visible.

When formed, the parts are assembled together and secured by the pintle B, passed through the coils a'' and c and fastened at the ends. The pintle B is preferably a rivet, the end of which is battered after the rivet

has been inserted, thus to form a head to hold the joint together. Preferably the spring-straps D D' are virtually of the same length as the standard, and the standard is just long enough to fold neatly within the front loop of the seat-back clamp, so that when the straps are folded on the standard the standard can be folded forward into the seat-back clamp, so that the size of the frame when folded is practically the same as that of the seat-back clamp. The U-clamp E is preferably made of sheet metal bent into form to fit against the sides of the standard and pierced with a hole for the bolt F. The straps D D' are also centrally pierced with bolt-holes.

When it is desired to use the head-rest, the ends of the straps D D' are inserted in the pockets h, thus bowing the straps, which are normally straight. This bowed form is indicated in Fig. 1. When the slip is thus applied, the bows hold it stretched, and this forms a gentle spring-rest for the head. The slip can be moved up and down the standard by loosening the nut G and can be clamped at any height on the standard desired.

The pockets h are arranged at a distance from the edge of the slip, with broad marginal flaps h' outside of said pockets, thus giving sufficient size to the slip to form a cover, in which the frame can be wrapped when not in use.

It is to be seen that when the straps D D' are crossed, as indicated in Figs. 1 and 2, and bent, as indicated in Fig. 1, the rectangle which will inclose the ends of the straps is of less length than the straps and that the marginal flaps h' make the slip serviceable as a cover for the straps and frame when folded.

I indicates hooks, and J indicates eyes or loops attached to the slip for fastening the same when wrapped around the frame. The hooks I are placed at one edge of the slip, and the loops J are placed at the proper line at the back of the slip to receive the hooks and se-

cure the slip when it is wrapped around the frame.

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

1. The combination of a seat-back-clamping member formed of a double loop of wire with a coil in each of the arms of one loop below the bend which unites said arms with the arms of the other loop; a pintle inserted through and fastened in the said coils; and the head-support standard formed of a loop of wire with coils near the lower ends of the arms of said loop, said coils being around the pintle, the lower ends of the arms of said loop being spread apart and brought behind the coiled members of the clamp to engage the inner side of said clamp-arms when the standard is upright, and one or more of said arms being bent laterally above the pintle to cause the standard to engage the clamp-wire above the pintle when the standard is upright.

2. The combination, with a seat-back-clamping member, and a pintle, of a head-support standard formed of a wire loop with pintle-receiving coils near the lower ends of the arms of said loop and between the arms of the back-clamping member to hold them apart; spring-straps on one side of said loop; a U-clamp on the other side of the loop; a bolt inserted through the straps, the loop and the U; and a nut on the bolt to clamp the parts together.

3. A head-rest comprising a seat-back-clamping member; a standard pivoted thereto with spring-straps and clamp with bolt for pivoting and clamping the straps to the standard; and a head-supporting sheet provided on its back with four pockets to receive the ends of the straps when bowed.

NELLIE ROGERS STONE.

Witnesses:

JAMES R. TOWNSEND,
F. M. TOWNSEND.