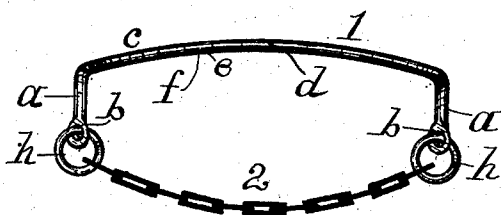
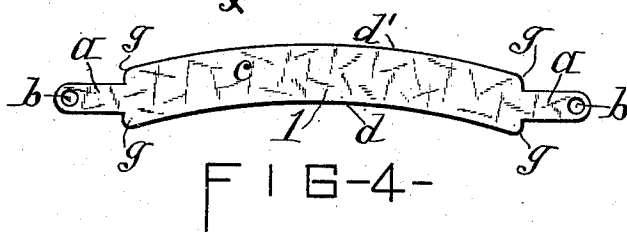
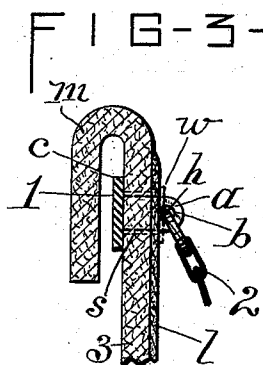
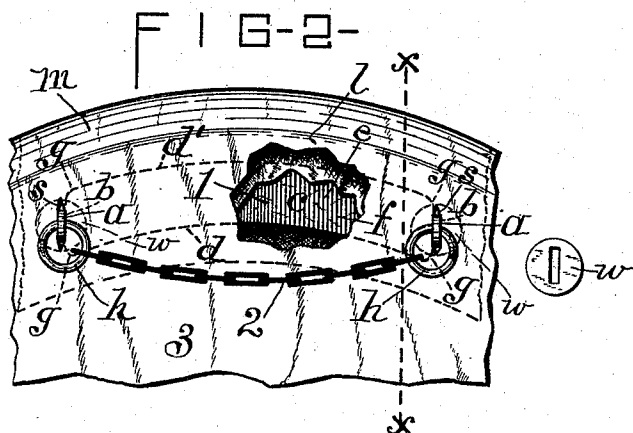
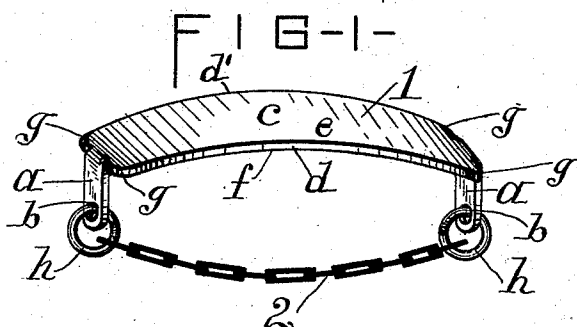


(No Model.)

W. H. KATES.
COAT LOOP OR HANGER.

No. 470,685.

Patented Mar. 15, 1892.



WITNESSES:

-- Harry E. Bates.
-- E. K. K. K. K.

INVENTOR,

Wilbur H. Kates,
BY
C. C. Raymond
his ATTORNEY.

UNITED STATES PATENT OFFICE.

WILBER H. KATES, OF SYRACUSE, NEW YORK, ASSIGNOR OF THREE-FOURTHS
TO FRANK C. JOSLYN AND EDWARD MCAULIFF, OF SAME PLACE, AND
FRANK P. ADAMS, OF NEW YORK, N. Y.

COAT LOOP OR HANGER.

SPECIFICATION forming part of Letters Patent No. 470,685, dated March 15, 1892.

Application filed May 22, 1891. Serial No. 393,789. (No model.)

To all whom it may concern:

Be it known that I, WILBER H. KATES, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Coat Loops or Hangers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, in which—

Figure 1 is an isometric view of my improved coat loop or hanger complete and unattached to a coat or other garment; Fig. 2, a front elevation of my device as applied to a coat or other garment, looking toward the inside or interior of the coat adjacent to its turned-down collar and illustrating by the breaking or tearing away of a portion of the fabric and usual inside lining the curvilinear and elliptical bearing-plate provided with prong-shaped ears disposed against the outer side of the coat or other apparel as appearing through said irregular opening, the remaining hidden portion of the aforesaid plate being indicated by dotted lines; Fig. 3, a vertical transverse section taken on line *xx* in aforesaid Fig. 2 of the drawings; Fig. 4, a plan view of the metallic blank wherefrom is formed by suitable bending or stamping the curvilinear elliptical bearing-plate and its integral prong-shaped perforated ears, and Fig. 5 represents a modified form of construction of my article.

Similar letters and figures of reference denote corresponding parts throughout the several views.

My invention has reference to that class of devices designed for providing coats or other wearing-apparel with metallic loops or hangers for the suspension or hanging of same from a stationary hook or equivalent support.

The object of my invention is to furnish a device that will greatly facilitate the hanging up of overcoats, undercoats, cloaks, gossamers, and analogous garments, providing an article of the class described so constructed as to admit of its ready attachment to or detachment from a coat or other kinds of wearing-ap-

parel, presenting a device embodying requisite strength, rigidity, durability, and adaptability for the uses designed, and coincidentally producing a device of ready and simple formation and inexpensive of manufacture.

My invention consists in the novel construction, arrangement, and combination of parts and adaptability hereinafter described, and fully set forth in the hereunto - annexed claims. It is constructed as follows:

1 denotes an elongated plate of sheet metal of suitable thickness formed to shape and of a length several times greater than its width and terminating at its extremities in transverse pronged ears *a a*, provided adjacent their rounded ends, respectively, with a circular orifice *b*. These prong-shaped ears *a a*, standing at a substantial right angle to the direction of the bearing portion *c* of the plate 1, are of considerably less width than the main part *c* and are bent to their aforesaid position by any suitable means. The elongated body or bearing portion *c* of the plate 1 is curvilinear edgewise longitudinally, as at *d d'*, the said edges being of practically parallel curvature, while the elongated plate lengthwise is slightly elliptical, as indicated by the letter *e*, the practically concave portion or surface *f* standing antagonistically forward from the direction of projection of the prong-shaped ears. The corners of the curvilinear elliptical bearing-plate 1, created by the contraction of the plate at either extremity into the narrowed perforated ears or prongs *a a*, are slightly rounded, as at *g*, to obviate any danger of the corners entering into and wearing the coat or other fabric through frictional contact thereof.

2 represents a chain formed of suitable links detachably connected to the perforated ends of the ears *a* by means of split rings *h*, attached to the ends of the chain or band inserted through the perforations in the pronged ears, as shown; or the chain may be attached to said ears by hooked extremities or other detachable fastenings admitting of the ready attachment to or removal of the chain from the ears of the bearing or supporting plate. When deemed advisable, a washer *w* may be slipped onto each ear interposed

between the face of the fabric and the split ring or other attaching medium of the chain, and whereby under transverse or lateral play of the plate 1 and its ear portions are absolutely prevented, as indicated by dotted lines in Figs. 2 and 3 of the drawings, a detached view of the washer being shown in full lines at one side.

The peculiar contour or shape of the plate I consider an important feature of my device, as by reason of its novel shape it insures the adaption thereof to the contour of the coat at or adjacent its collar portion, while additionally it serves to retain the collar portion in shape. Moreover, the plate 1, being of some considerable length as compared to its width, serves as a reliable brace or bearing against the garment thereat, and providing a reliable unyielding stay or support in connection with its prongs or attaching-ears for the attached chain or band and thoroughly equalizing the natural strain or pull of the attached portion of the coat or other garment is necessarily subjected to when hanging through the medium of a loop from a hook or other support. Preferably I utilize a stiff sheet-metal blank of practically the form or contour shown in Fig. 4 of the drawings, wherefrom the bearing-plate 1 and its projecting ears are bent or formed to shape, the center of the ears lying longitudinally to one side of the longitudinal center of the plate's portion *c*, taken at the central point of its curvature edgewise or its extreme radius.

As is apparent, the portion *c* of the plate 1 being of considerably greater width transversely than the prong-ears *a*, a far more satisfactory bearing is obtained against the fabric than is obtainable when the plate is narrow, and additionally the ears being of much less width than the plate portion *c* only a comparatively slight slit or cut is necessitated in the fabric coincident with the pronged ears to allow for the insertion thereof.

In Fig. 5 I represent a slightly-modified form of the construction, in that the bearing portion *c* and the ears are formed of a strong piece of wire suitably bent to shape, the portion *c* having the same contour as is embraced in my main and preferred construction, while the ends of the projecting ears are flattened and perforated thereat.

By preference I employ my primary and main manner of construction, the widened plate portion, as at *c*, (main construction,) presenting by its width a more comprehensive bearing-surface to the fabric than that embodied in the modified wire-constructed form shown; yet, nevertheless, occasions may arise wherein it may be deemed advisable or expedient to construct my bearing-plate and integral ears in conformity with the modified form herein mentioned and illustrated in the drawings.

My manner or method of attaching the coat loop or hanger to a coat or other garment,

and in this instance by way of exemplification to a coat, is substantially as follows: Taking a knife or other suitable cutting-instrument I cut slight vertical slits *s* through the fabric 3 of the coat (including its inside lining *l*) at such distance either side of its center below the turn or roll of the coat-collar *m* as corresponds with the location of the perforated prongs or ears of the bearing and supporting plate, whereupon, taking the aforesaid plate portion of the device in my hand, the split rings and connected chain being detached and laid to one side, I place said plate against the back or rear of the coat between the pendent or overhanging collar portion and the coat-body and then insert the pronged ears into and through the slits *s*, the perforated ends projecting inwardly a brief distance beyond the face of said coat-lining and concurrently pressing the plate 1 by its bearing part snugly against the outer adjacent face of the coat fabric. Next I take the chain 2 in hand and passing it alongside the interior of the coat attach each end thereof to an adjacent ear of the plate 1 by means of a splint ring *h* or other detachable satisfactory attaching medium engaging the aperture therein, the manner of the application and arrangement of my device in connection with a coat or other article of apparel being clearly indicated in Figs. 2 and 3 of the drawings.

It will readily be understood and seen that in the application of my device the chain-holding ears of the plate 1 are inserted forwardly through the slits from the back or rear to the front or inside face of the coat fabric, and the chain 2 being secured to the ears the plate is held in proper position; also, that no dependence is made upon the common method or means, so unsatisfactory and unreliable, for attaching a plate or a pair of plates to a garment by the sewing or stitching thereof to a face of the fabric or underneath the lining through the use of thread-receiving perforations in the plate or plates. Moreover, that a firm and unyielding bearing or brace-support practically conforming to the contour of the coat is insured and that the said bearing-plate is hidden from observation when in use and worn by the turned-over collar, between which and the adjacent portion of the garment it lies interposed, said unique details of construction and arrangement of parts naturally imparting greater efficiency and adaptation to the device than is obtainable under the ordinary devices employed for the purpose.

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

1. As an improved article of manufacture, a loop or hanger for suspending garments, consisting of the elongated curvilinear and elliptical-shaped bearing-plate 1, provided at either extremity with a prong-shaped perforated ear *a*, standing right-angularly thereto, and a chain 2, detachably-secured to the re-

spective ears at their termination, substantially as described.

2. As an improved article of manufacture,
a loop or hanger for suspending garments,
5 consisting of the elongated curvilinear and
elliptical bearing-plate *l*, having rounded corners
g and contracting thereat into right-angular
prong-shaped ears *a*, provided with perforations
b, whereto a chain is detachably con-

nected, substantially as described, and for the 10
purposes specified.

In testimony whereof I affix my signature, in
presence of two witnesses, this 30th day of
March, 1891.

WILBER H. KATES. [L. S.]

Witnesses:

WM. C. RAYMOND,
E. BUTLER.