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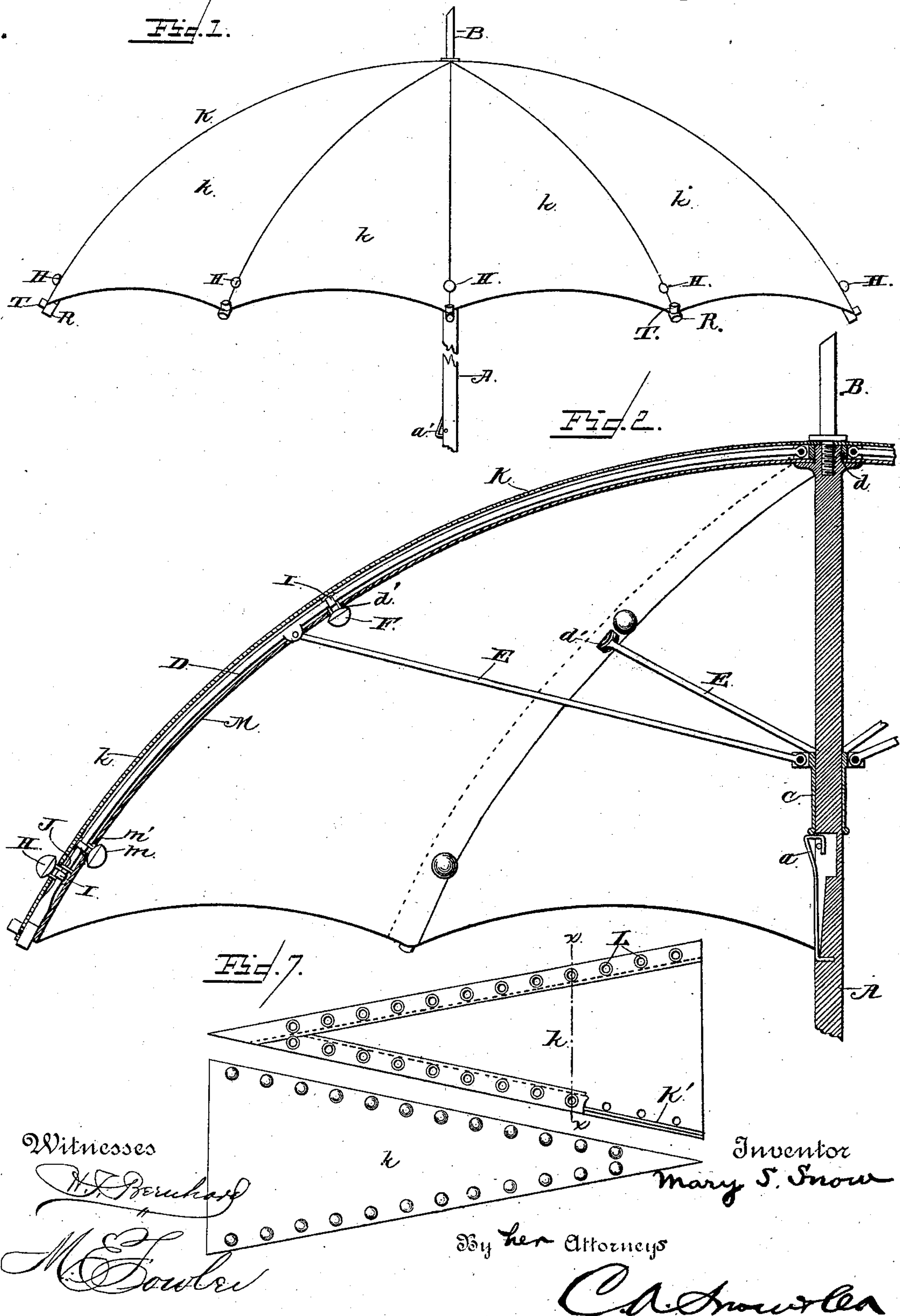
3 Sheets—Sheet 1.

M. S. SNOW.

UMBRELLA OR PARASOL.

No. 368,980.

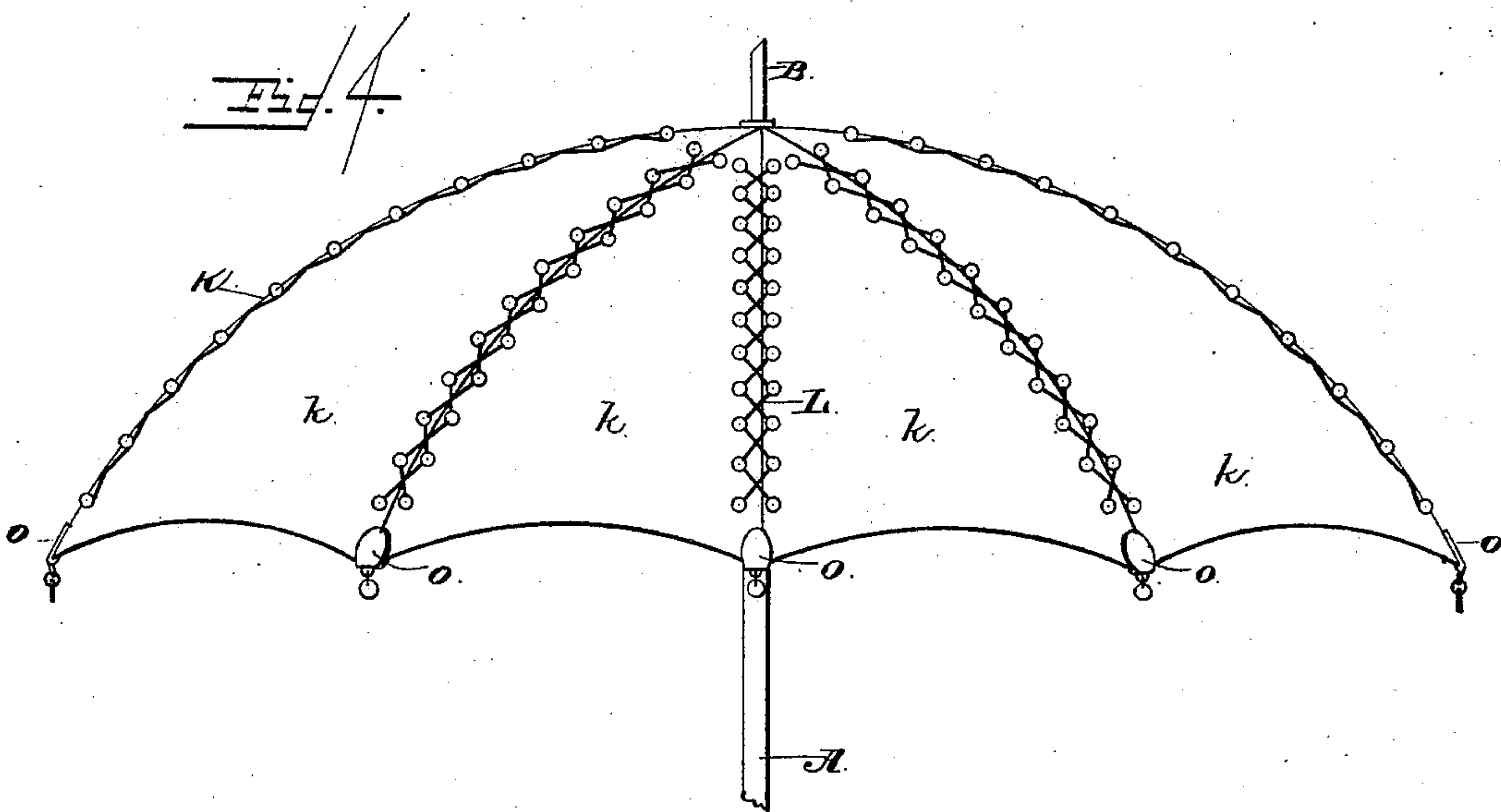
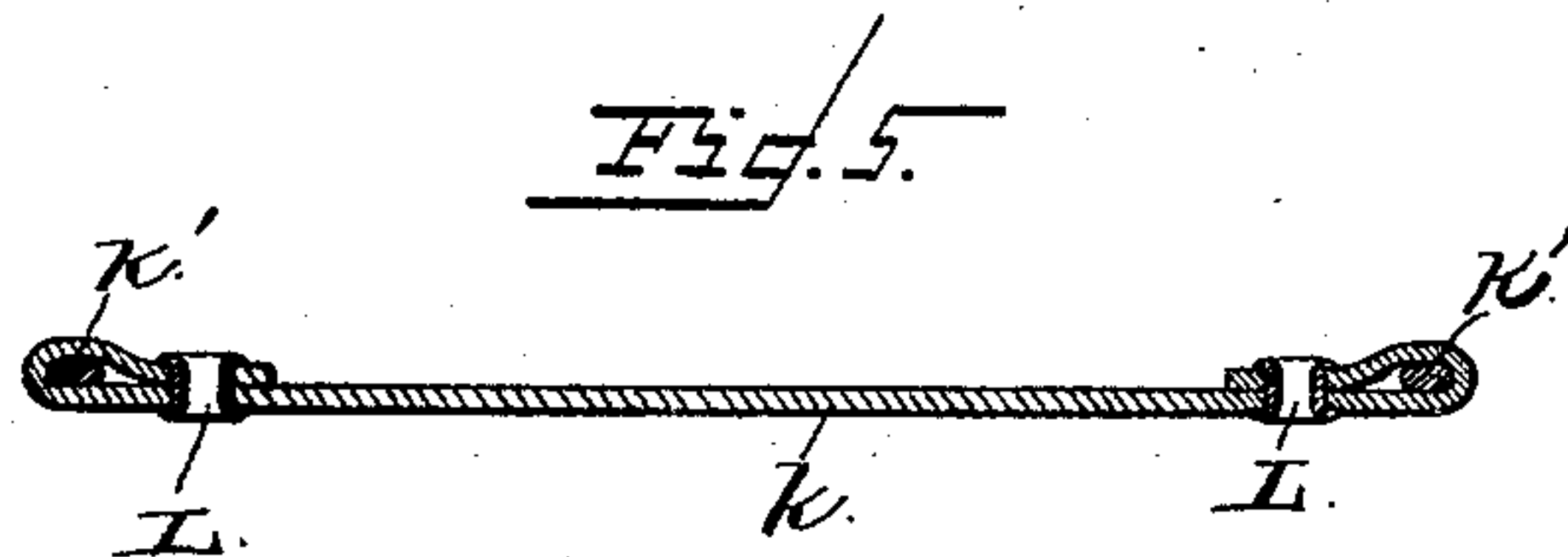
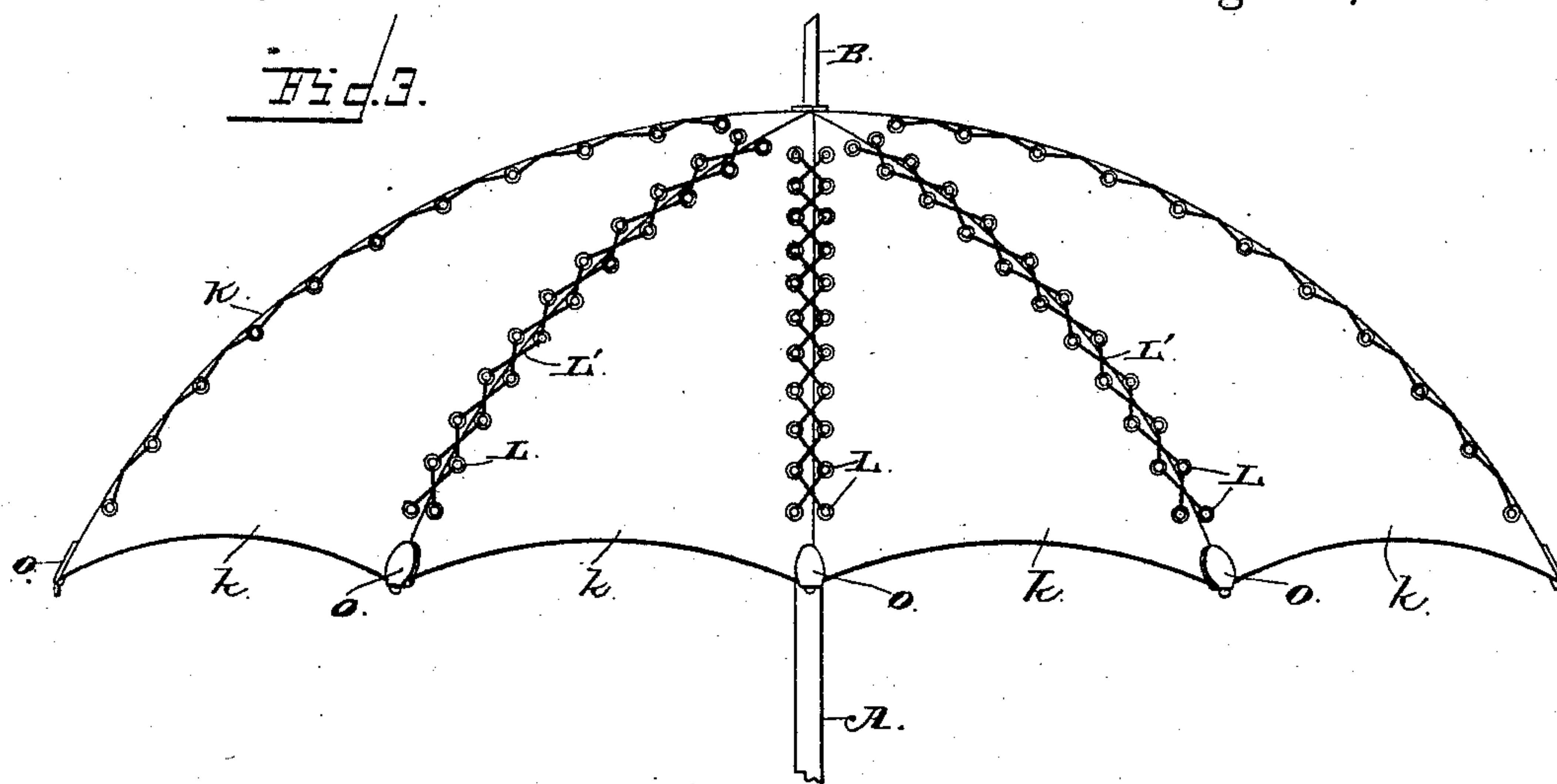
Patented Aug. 30, 1887.



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Witnesses
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By her Attorneys

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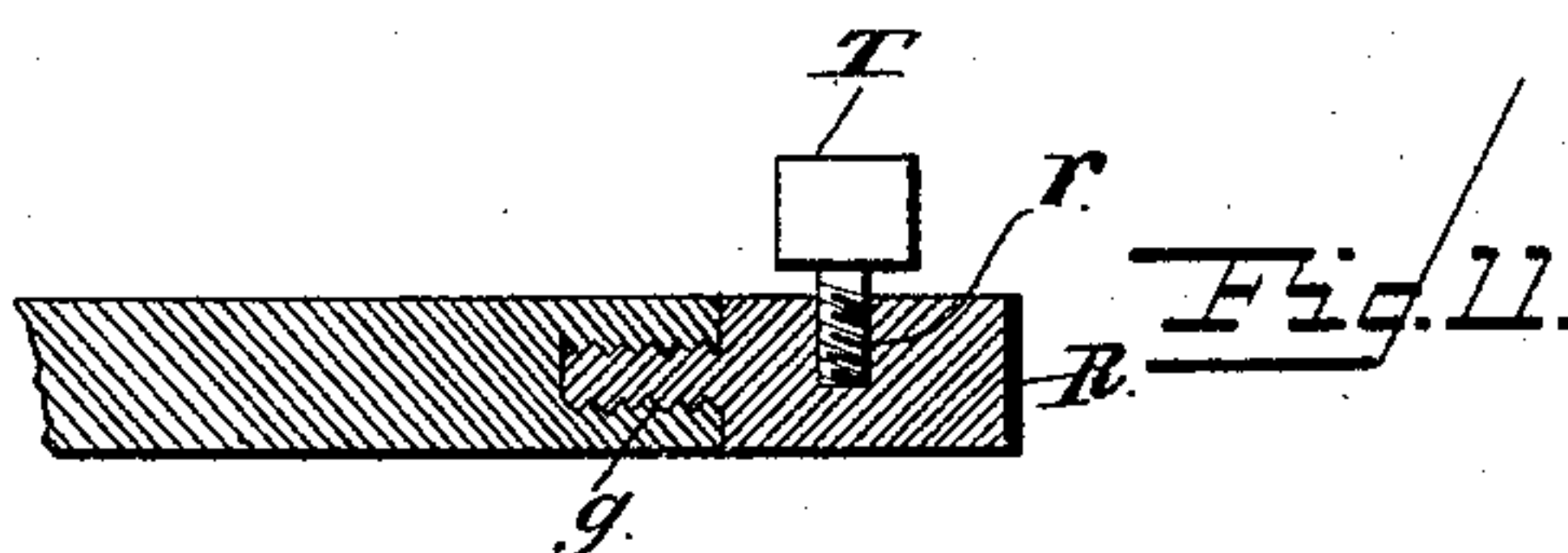
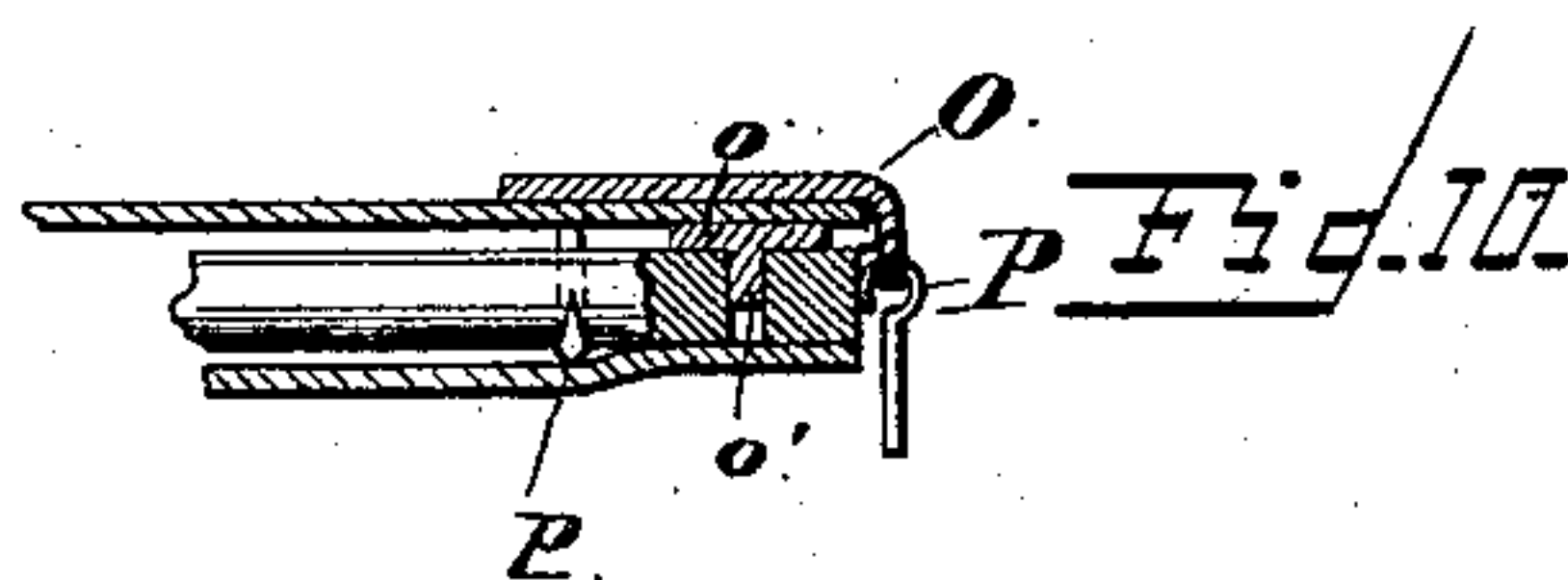
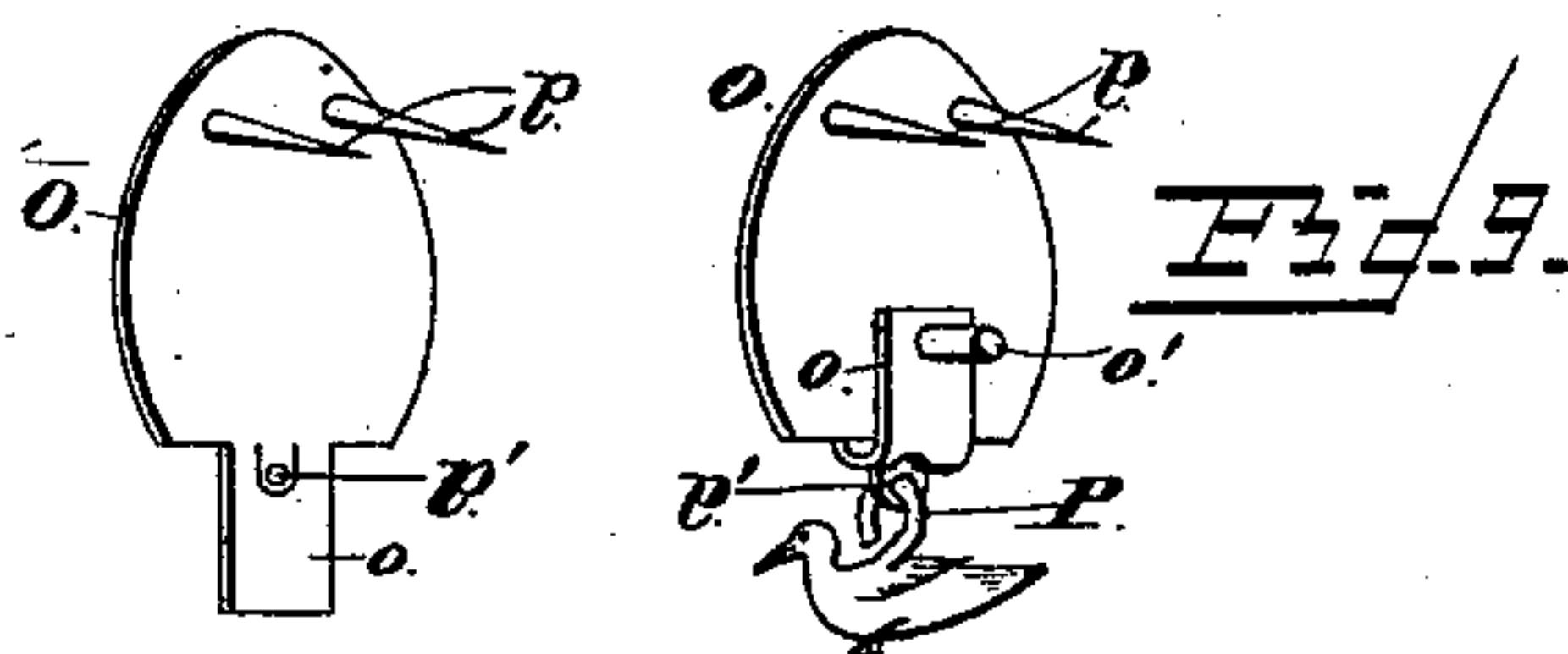
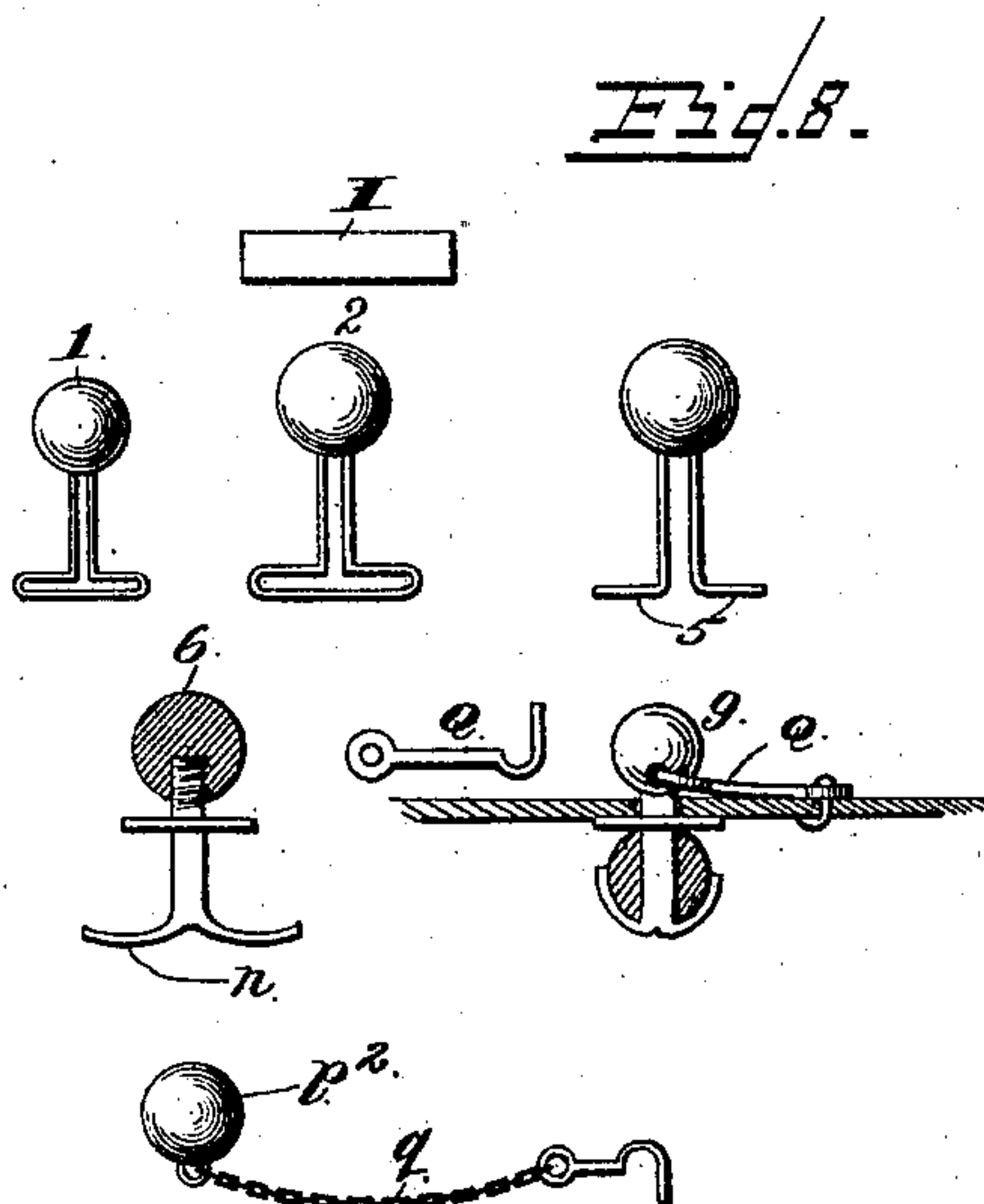
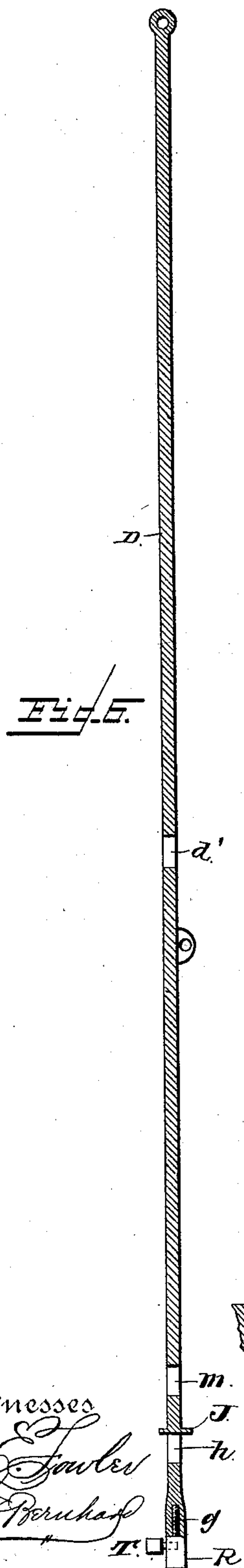
(No Model.)

3 Sheets—Sheet 3.

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UMBRELLA OR PARASOL.

No. 368,980.

Patented Aug. 30, 1887.



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UNITED STATES PATENT OFFICE.

MARY SOPHIA SNOW, OF SACRAMENTO, CALIFORNIA.

UMBRELLA OR PARASOL.

SPECIFICATION forming part of Letters Patent No. 368,980, dated August 30, 1887.

Application filed October 6, 1886. Serial No. 215,478. (No model.)

To all whom it may concern:

Be it known that I, MARY SOPHIA SNOW, a citizen of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented a new and useful Improvement in Umbrellas or Parasols, of which the following is a specification.

My invention relates to improvements in umbrellas or parasols; and it consists of the peculiar combination and novel construction and arrangement of the various parts for service, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

The primary object of my invention is to provide a parasol or umbrella with a removable cover and lining which can be detached from the frame or ribs with ease and another one substituted therefor when it has become worn out or faded.

A further object of my invention is to provide an umbrella or parasol which shall be ornamental and attractive in appearance, and thereby greatly increase the sale of and demand for the same, and which shall also be simple and durable in construction and cheap of manufacture.

In the drawings hereto annexed, which form a part of this specification, Figure 1 is an elevation of an umbrella embodying my invention. Fig. 2 is a vertical central sectional view of the same. Fig. 3 is a view corresponding to Fig. 1, showing another form of my invention; and Fig. 4 is a similar view of still another form of the device. Fig. 5 is a transverse sectional view through a section of the cover on the line *xx* of Fig. 7. Fig. 6 is an enlarged sectional view taken longitudinally through one of the ribs of the frame. Fig. 7 is a detail view of one section of the cover shown in Figs. 3 and 4. Fig. 8 is a series of detached views of different forms of buttons and fasteners therefor that are to be connected to the ribs of the frame, and Fig. 9 is a detached view of one of the ornamental clasps which serve to connect the lower edge of the cover to the ribs of the frame. Figs. 10 and 11 are detached detail views of part of my improvements.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, A designates the staff or handle of an umbrella or parasol embodying

my present improvements, which is of the usual or any preferred form. The upper end of the staff or handle has a detachable section, B, which is screwed into a suitable threaded socket or otherwise removably secured thereto, and the staff is further provided with the usual catches, *a a'*, for retaining the runner C at suitable points thereon.

D designates the folding ribs, which are pivoted at their inner upper ends to a collar, *d*, which is rigidly affixed to the upper extremity of the staff or handle of the device and beneath the removable upper section, B, of the staff.

E are the stretchers, which are pivotally connected at one end to the runner C, and at their opposite ends to pivoted ribs, at an intermediate point of the length of the latter.

The ribs D and the stretchers connected therewith and to the runner form the frame of the umbrella or parasol, and the ribs are provided on their inner sides and at an intermediate point of their length with openings or eyes *d'* for the passage therethrough of the shanks of the buttons F, to which the inner lining of the umbrella is to be connected, as more fully hereinafter described. The lower ends of the said pivoted ribs of the frame are provided with interiorly-threaded openings or sockets *g*, for a purpose presently described, and above these sockets the ribs are further provided with transverse openings *h*, through which are passed the shanks of the buttons H, to which are connected the outer lowermost edges of the outer covering of the frame of the umbrella or parasol.

The buttons F and H are of any preferred or suitable character, and they can be ornamented, if desired, and in lieu of these buttons other devices can be substituted therefor, which will serve to connect and hold the covering and lining of the umbrella to the frame thereof. The shanks of the buttons are passed through the eyes or openings of the ribs of the frame, as above described, and through the shanks of the buttons are passed the fastening devices or clinches I, which may be of any preferred or desired pattern, and which are bent around the ribs of the frame to securely connect the fastenings and their buttons to the frame, as will be readily understood.

J designates a stop, which preferably con-

sists of a flat or round piece of metal or other suitable substance, which is rigidly affixed in any suitable manner to the lower end of the ribs of the frame, and these stops are arranged at a suitable point on the ribs and above the lower openings or eyes, *h*, through which the buttons *H* are passed, the buttons impinging against the stops when the sections of the cover or lining are stretched in opening the umbrella for use, and thereby relieve the shanks of the buttons and the fastening devices thereof from undue strain. The cover *K* of the umbrella or parasol is composed of a series of tapering sections or parts secured to each other at their contiguous edges. These parts or sections are made tapering in shape, of the ordinary pattern—that is to say, the side edges of each section are converged toward each other, so that one end is wider than the opposite end. The inclined side edges of each section of the cover are lapped and hemmed upon the body of the section, and the lapped edges are stayed and braced by means of suitable pliable or flexible strips, *K'*, which are inclosed or housed within the hemmed portions of the edges of the sections, and through these stayed and hemmed edges of the sections of the cover are passed eyelets *L*. These eyelets are of any preferred or suitable form, and they are arranged in series along the edges of the cover-sections, as shown, and through the series of eyelets at the edges of two adjoining sections of the cover are passed lacing-cords *L'*, which impart a neat and ornamental finish and appearance to the cover and render it thereby more salable. In lieu, however, of the eyelets and lacing-cords there-through, the edges of the sections of the cover where they are hemmed and stayed may be provided with a series of buttons, which are sewed or otherwise connected thereto in any rigid and firm manner, and around the buttons are passed the lacing-cords, as shown in Fig. 4 of the drawings. The lower end of each section of the cover is provided with a transverse aperture or button-hole, which is re-enforced around its edges by sewing, as is usual, and the lower edges of the cover are connected to the ribs of the frame by passing the buttons *H* thereof through the button-holes, whereby the cover can be readily disconnected or removed from the frame. The upper ends of the cover-sections are secured and connected together in a very secure manner, and the cover is provided with a central opening, through which passes the upper end of the staff, after which the upper section, *B*, of the staff is connected thereto and bears upon the center of the cover, to more securely hold the same in place.

M designates the lining of the umbrella or parasol, which is arranged within the frame of the same to completely conceal the latter from view and impart a neat and attractive finish thereto when the device is opened for use. The lining is made up of a series of tapering sections similar to the outer cover, and

at its middle the lining has a series of button-holes, which are re-enforced in the usual manner, and through which are passed the buttons *F*, to connect the lining to the frame and uphold the same thereon. To the lower extremity of the ribs of the frame are connected buttons *m*, which are secured in place in any suitable manner, and the lower edge of the lining is provided with a series of holes or openings, *m'*, through which are passed the buttons *m*, to connect the lower edge of the lining to the frame. The cover and lining of the frame are first stretched and drawn taut, and are then connected to the several buttons of the frame, and the cover and lining of the umbrella, when they have become worn and faded through exposure to the sun and rain, can be easily and readily detached and a new cover and lining substituted therefor at a very small cost, and thus render the device as good as new.

In Fig. 8 of the drawings, the numerals 1 2 denote the different forms of buttons with shanks which are to be connected to the ribs of the frame by means of the fastening device or clinch *I*, which is passed through the shank of the button which it is designed to secure, and is then bent around the rib of the frame. In lieu, however, of using a button with the shank and a fastening therefor, the button may be provided with pliable prongs, as at 5, which are to be bent around the ribs after they have been passed through the eyes or apertures of the ribs and thus securely connect the buttons to the frame. If it is desired to employ an ornamental fastening for the cover and lining, the buttons above described may be dispensed with and the fastener shown at 6 in Fig. 8 substituted therefor. The device is provided with the pliable ends *n*, which are to be bent or twisted around the ribs of the frame, and its opposite end is threaded, as shown, so that an ornamental cap can be connected thereto. The fastener is provided with a flange or rib at an intermediate point of its length, which bears upon one side of the rib to which the device is to be connected, and the downward movement of the ornamental cap is limited by coming in contact with the rim, and it rests thereon and is thereby braced. The fastener may, however, be provided with a cap that is permanently connected thereto, as at 9 in the said Fig. 8, so that the threaded end and ornamental cap can be dispensed with, as will be very readily understood.

O designates a clasp, which is formed of a single piece of sheet metal or other suitable material, and connected to the lower end of the ribs and the cover to impart a neat and ornamental finish to the latter. This clasp is provided with a projecting tongue, *o*, which is bent upon the body of the clasp, and the tongue is provided with a right-angled lug or stud, *o'*. The tongue is inserted or passed between the lower edges of the cover and lining, and the stud or post thereof passes through the opening or eye in the lower end of the ribs,

and the body of the clasp is ornamented to any desired extent to impart a neat finish to the device. The body of the clasp lies or bears against the outer exposed sides of the cover, and it has depending teeth *p*, which pass through the cover and are bent or twisted around the ribs of the frame to more securely connect the cover and the clasp to the frame. The clasp has a depending lip, which is provided with a transverse opening, *p'*, through which is passed the hook or shank of an ornamental pendant, *P*, which depends from the clasp, said pendant being in the form of a bird, animal, monogram, or other suitable class.

The fastening 9 (shown in Fig. 8 of the drawings) is provided with an opening or aperture in its end, and through this opening is passed the free end of a hook, *Q*, which is secured to the cover in any suitable manner, and thus more securely connects the cover to the ribs of the frame. In lieu of the hook being secured directly to the cover, it may be connected to a chain or ornamental cord, *q*, which in turn is secured to a suitable device, *p*², that is affixed to the cover, as shown in Fig. 8.

R designates an ornamental tip, which is of any suitable form and design, and is provided with an exteriorly-threaded shank, which screws into the interiorly-threaded socket *g* in the lower extremity of the ribs of the frame, and this cap or tip is provided with a transverse threaded opening, *r*, into which screws the threaded shank of a binding or securing plate or nut, *T*, which bears upon the lower edges of the cover and more firmly secures the cover to the ribs and imparts a neat and ornamental finish to the umbrella at the lower ends of the ribs thereof.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the drawings.

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

1. An umbrella or parasol provided with an inner detachable lining which can be removed without cutting or otherwise defacing the lining and the parts of the frame to which it is connected, substantially as described, for the purpose set forth.

2. In an umbrella or parasol, the combination of the frame, the buttons connected thereto, the outer cover stretched over the frame and connected with the buttons, and the inner lining for concealing the frame and cover on the inner sides of the umbrella and connected detachably to the buttons, substantially as described, for the purpose set forth.

3. An umbrella or parasol having an outer detachable cover, means for attaching said cover to the frame, and an ornamental lacing-cord combined with said devices, substantially as set forth.

4. An umbrella or parasol cover made of a series of sections, each having a series of eyes or buttons connected thereto, and the lacing-cords connected with the buttons or eyes, substantially as described.

5. An umbrella or parasol frame and a cover detachably secured thereto and composed of a series of connected sections having the stays at their meeting edges, the eyes or buttons arranged on opposite sides of the line, where two adjoining sections are connected, and the lacing-cords connected to the eyes or buttons, arranged on the outer surface of the cover to impart an ornamental finish thereto, substantially as described, for the purpose set forth.

6. The combination of the ribs, a cover, devices, substantially such as herein described, for detachably connecting the cover to the ribs at intermediate points of the latter, and clasps bearing against the outer side of the cover at the lower edge thereof and connected to the lower ends of the ribs, as and for the purpose described.

7. In an umbrella or parasol, the combination of the ribs, the cover connected thereto, and the ornamental clasps bearing upon the cover on its outer side and having the depending pins passing through the cover and connected to the ribs, substantially as described.

8. In an umbrella, the combination of the ribs, the outer cover, the lining, and the clasps bearing upon the cover and connected thereto and with the ribs, and each having the tongue, which is folded upon the clasp and inserted between the cover and lining and connected to the ribs, substantially as described, for the purpose set forth.

9. The combination of the ribs having the socket-like openings formed in their lower terminal ends, a cover, means for detachably securing the cover to the ribs at intermediate points of the latter, and an ornamented tip provided with a threaded reduced shank screwed into the threaded openings of the ribs, as and for the purpose described.

10. In an umbrella, the combination of the ribs having the threaded sockets, the threaded tips screwed therein and each having a threaded opening at right angles to its longitudinal axis, a cover detachably connected to the ribs, and the nut *T*, bearing upon the cover and screwed into the opening of the tip, as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

MARY SOPHIA SNOW.

Witnesses:

LEVI GARDNER,
HUBBARD HUTCHINS SNOW.