

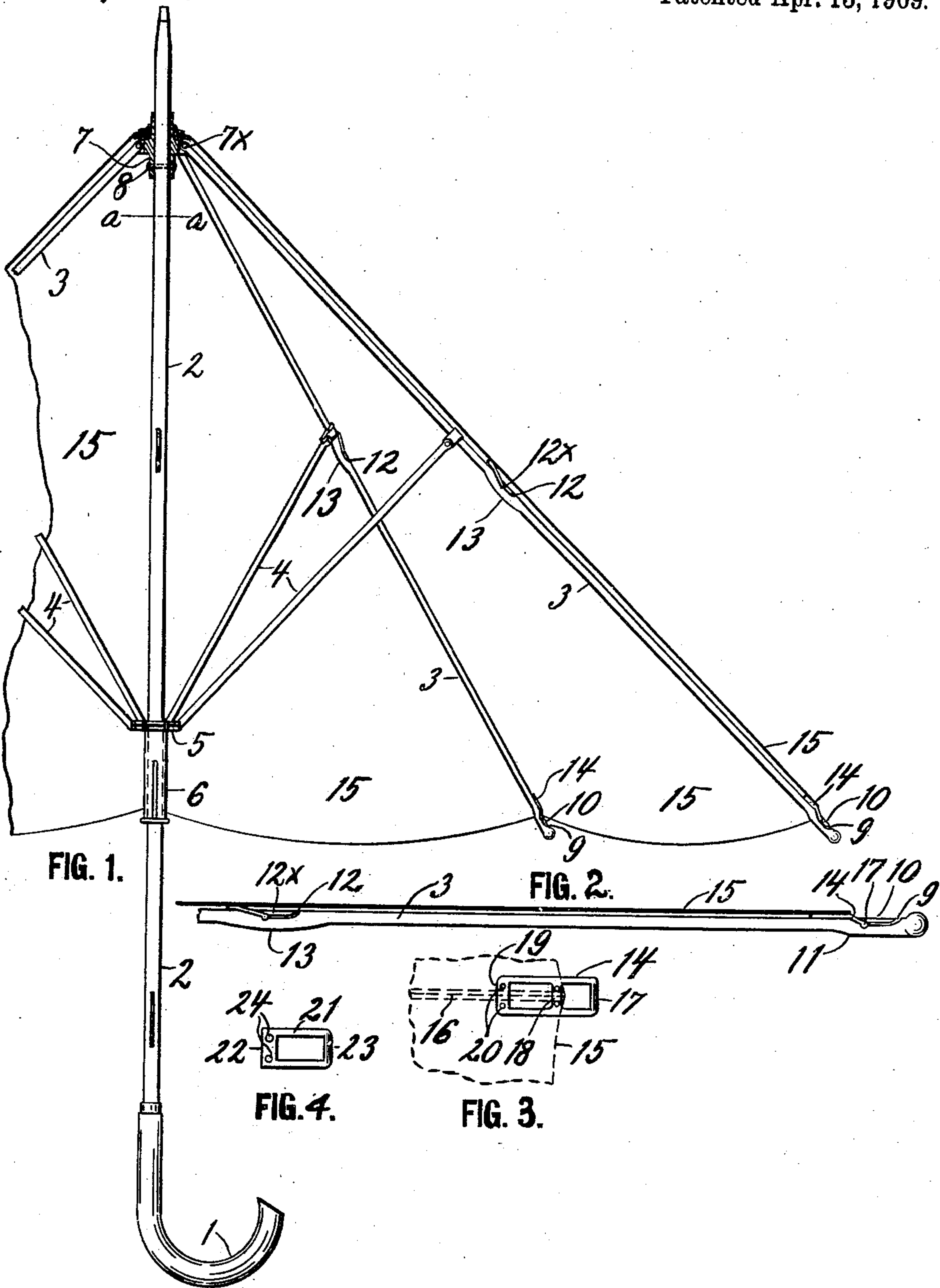
J. P. CZAPIEWSKI.

UMBRELLA.

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918,015.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN P. CZAPIEWSKI, OF WINONA, MINNESOTA.

UMBRELLA.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN P. CZAPIEWSKI, a citizen of the United States, residing at Winona, in the county of Winona and State of Minnesota, have invented a new and useful Umbrella, of which the following is a specification.

My invention relates to improvements in umbrellas and relates particularly to the kind of umbrellas having removable covers.

The object of the invention is to provide an umbrella of such construction that its cover may be easily removed; washed and applied at any time or be replaced by another cover when so desired. This and other objects I attain by the novel construction and arrangement of parts illustrated in the accompanying drawing, in which,—

Figure 1 is a partly sectional side elevation of my improved umbrella with the ribs and cover partly raised from their folded position. Fig. 2 is a detail side view of one of the ribs, and the cloth attached thereto. Fig. 3 is a top view of one of the eyes used in the outer edge of the cover and a portion of the cover in dotted lines. Fig. 4 is a top view of one of the interior eyes.

Referring to the drawing by reference numerals, 1 represents the handle, 2 the stick, 3 the ribs, 4 the raisers, the latter being pivoted to the ribs at the outer ends and the inner ends pivotally secured in the flange 5 of the runner 6 sliding on the stick, all of which parts are well known elements in umbrellas.

Considering the small end of the stick as the top and the handle as the bottom end it will be understood that near the top I provide a stationary collar 7 or "top notch" as it is often called, riveted at 8 to the stick and having its upper portion tapering toward the top for reasons to be later explained. The middle portion of it is a collar having the usual annular groove adapted to receive the wire 7^x that holds the upper ends of the ribs in place.

The outer end of each rib is ball shaped, and immediately above the ball shape and on the outer side of the rib is cut a slit 9 whereby a finger 10 is formed. As this may weaken the rib the latter is enlarged from the ball to

the point 11 in Fig. 2 to insure sufficient strength. A slit 12 forming a finger 12^x is also cut into each rib at a point about half way between the ends and on the opposite side of the rib at this point is another reinforcement or enlargement 13 in the rib. For convenience the fingers near the ends of the ribs will be called the outer fingers and the others referred to as the inner fingers. Said outer fingers are engaged by loops or eyes 14 (best shown in Fig. 3) fastened to the edge of the umbrella cover 15 at such intervals that there will be one hook for each rib. Usually the cover has a seam 16 running lengthwise along each rib. At the point where this seam reaches the edge of the cover the eyes are sewed on. Each of these eyes is made of a piece of suitable flat metal and has three cross bars 17, 18 and 19. The outer cross bar 17 is round and thereby adapted to more easily slide into the slit 9. The cross bars 18 and 19 are the ones that are sewed onto the cloth and they may also be provided with holes 20 through which the thread may be passed. The outer end of the eye is bent downward to facilitate insertion of the bar 17 into the slit. The inner slits are each engaged by the bar 23 of a loop 21 having two cross bars 22 and 23, one of said bars being round and the other flat and having holes 24 through which thread may be passed when sewing the loops to the cloth. The upper ends of the ribs are pivotally secured in the usual manner in a flange of the top notch 7.

Having thus described my invention, what I claim is:

1. In an umbrella, the combination with ribs having upon their outer sides near their middle and near their outer ends fingers projecting parallel to the ribs and pointing toward the outer ends thereof, of a removable umbrella cover having eye pieces adapted to be slipped upon said fingers, said ribs being depressed at their outer sides to form a slit or clearing under each finger and correspondingly enlarged at their inner sides so as to maintain their strength at the point of depression.

2. In an umbrella, the combination with ribs having near their outer ends slits whereby

fingers are formed that stand each parallel
to the rib and flush with the outer side
thereof, of an umbrella cover having eye-
pieces secured on it and adapted to be slipped
5 upon said fingers, said eye-pieces on the cover
having each a portion bent toward the rib
and adapted to engage the finger of the rib.

In testimony whereof I affix my signature,
in presence of two witnesses.

JOHN P. CZAPIEWSKI.

Witnesses:

JAMES T. ROBB,
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