E. R. SHRECKENGAST.

COLLAPSIBLE UMBRELLA.

APPLICATION FILED JUNE 12, 1909.

961,811. Patented June 21, 1910.

Fig. 1.

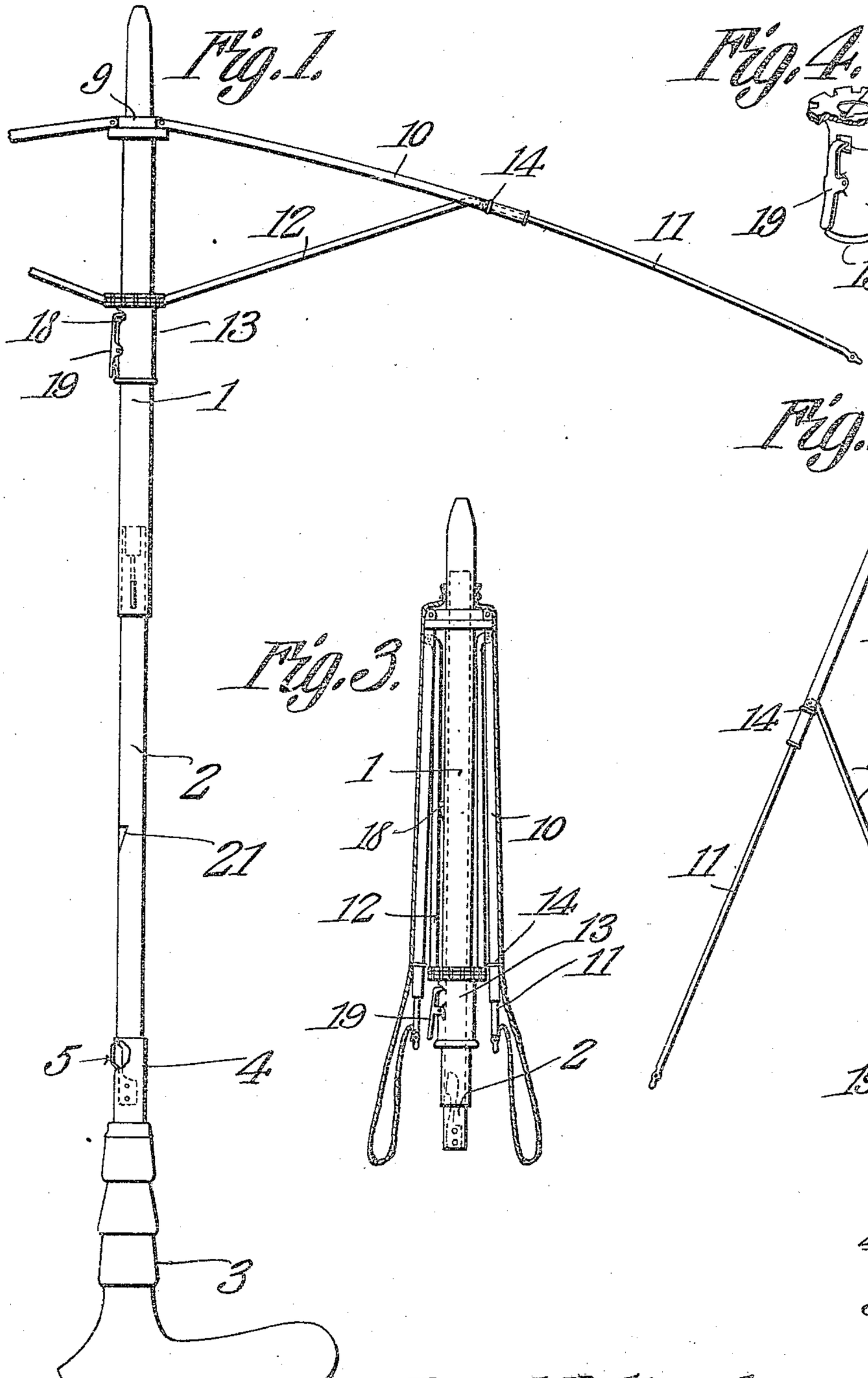

Fig. 4.

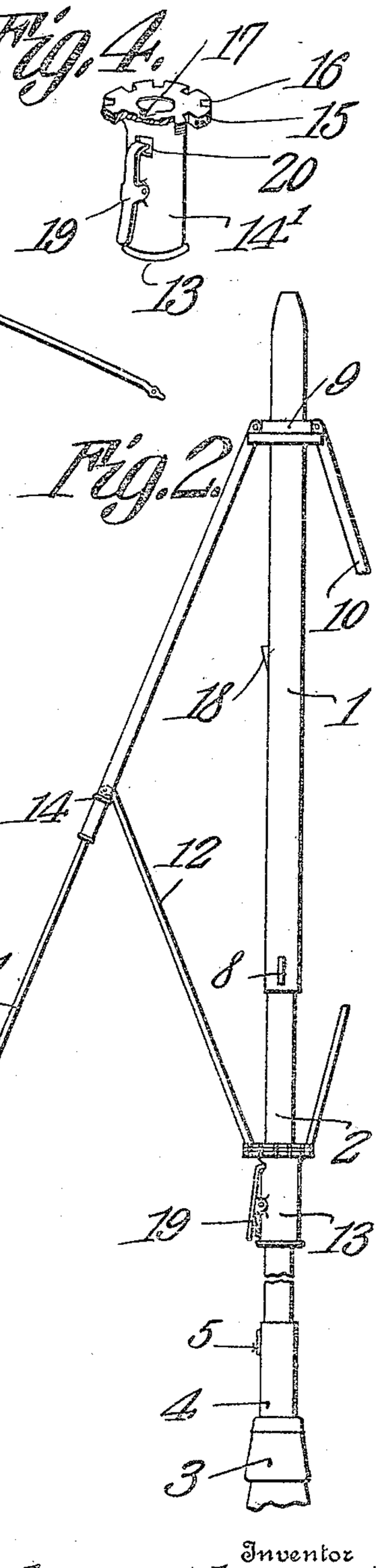

Fig. 2.

Fig. 3.

Witnesses

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ERNEST R. SHRECKENGAST, OF MILLHEIM, PENNSYLVANIA.

COLLAPSIBLE UMBRELLA.

961,811. Specification of Letters Patent. **Patented June 21, 1910.**

Application filed June 12, 1909. Serial No. 501,790.

To all whom it may concern:

Be it known that I, ERNEST R. SHRECKENGAST, a citizen of the United States, residing at Millheim, in the county of Center and State of Pennsylvania, have invented a new and useful Collapsible Umbrella, of which the following is a specification.

This invention relates to improvements in umbrellas and aims to produce an umbrella which may be readily collapsed so as to be carried in a pocket or placed in a trunk, and which will be simple in construction and easily manipulated.

The invention is fully illustrated in the accompanying drawings, and consists in certain novel features which will be hereinafter first fully described and then particularly pointed out in the appended claim.

In the drawings, Figure 1 is a view showing the position of the parts when the umbrella is arranged for use. Fig. 2 is a similar view showing the manner of closing the umbrella when collapsing the same. Fig. 3 is a view showing the umbrella in its collapsed condition. Fig. 4 is a detail perspective view of the runner.

The umbrella rod or stick consists of a tubular upper member 1, and a member 2 adapted to telescope within the said upper member. The handle 3 is detachably secured to the lower end of the slidable member 2, and is constructed with a sleeve or thimble 4, which is adapted to fit over the lower end of the said member 2 and engage a spring 5. The upper end of the said member 2 is provided with a similar spring, the lip 8 of which engages the lower end of the upper member 1 of the umbrella stick so that the said members may be held firmly when the umbrella is in use. When it is desired to collapse the umbrella, the spring 5 is pressed inward so as to disengage the lip 5 from the slot in the sleeve 4, and the handle is then slipped from engagement with the member 2 so that it may be placed in the trunk detached from the remainder of the umbrella stick. The spring 7 is then pressed inward so that the lip 8 thereof will be disengaged from the longitudinal slot in the upper member 1 of the stick whereupon the member 2 may be pushed up into the upper member 1 so as to be contained within the same. This arrangement of the stick is shown in Fig. 3.

Near the upper end of the member 1 of the umbrella stick I provide a notch 9 which may be of the usual construction and to which the upper members of the ribs 10 are attached. The lower members 11 slide within the upper members of the ribs and have their upper ends pivoted to the stretchers 12, the inner ends of the said stretchers being attached to the runner 13 in the usual manner. In order to limit the outward movement of the lower members of the ribs and the stretchers, I provide bands 14 around the members 10 of the ribs near the outer ends thereof, as shown in Fig. 1, which limit the movement of the said parts by passing across the path of the stretcher and under the rib member 11.

The runner 13 comprises a sleeve or body 14′, slidably mounted on the members of the umbrella stick and a collar or flange 15 at the upper end of the said sleeve or body 14′, the said collar or flange having notches 16 in its edge for the reception of the stretchers. Within the bore of the runner, at the upper end of the same, I provide the groove or recess 17 which is adapted to fit over the shoulder or projection 18 on the side of the member 1 of the stick, and upon the side of the runner I pivot a latch 19, the upper end of which is adapted to project through an opening 20 formed in the runner so as to engage the projection or shoulder 18 and thereby hold the umbrella in its opened position. When the umbrella is closed, the runner is moved downward on the umbrella stick so as to rest on the member 2 thereof with the latch 19 in engagement with a shoulder 21 at the upper end of a recess in said stick to prevent the accidental opening of the umbrella.

When the umbrella is in constant use, it is opened and closed in the usual manner by merely sliding the runner along the stick, as will be readily understood. Should it be desired to collapse the umbrella the stick is telescoped in the manner previously described, and the outer rib members are pushed upward in the upper rib members so as to bring the cover into the position shown in Fig. 3 when the ribs and stretchers are folded against the stick. When the ribs and stretchers are thus folded against the stick, the stretchers will lie close against the upper member of the stick, and the runner will encircle the said member, as clearly shown in Fig. 3.

The device is very simple in its construction and is easily manipulated.

By providing the interior recess 17 within the runner, the projection 18, when seated within the recess, prevents the runner from rotating on the stick of the umbrella and the said umbrella will thus be prevented from twisting or becoming otherwise distorted when subjected to the pressure of wind or when the umbrella is twirled while in use. Moreover this recess 17 guides the catch 19 to the projection.

Having thus described my invention, what I claim is:

The combination with an umbrella stick having a locking projection, of a runner slidably mounted on the umbrella stick and provided with an internal groove to receive the said locking projection to hold the runner against rotation upon the stick, and a latch mounted on the side of the runner and having its end projected through the same to engage with the said locking projection.

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

ERNEST R. SHRECKENGAST.

Witnesses:

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