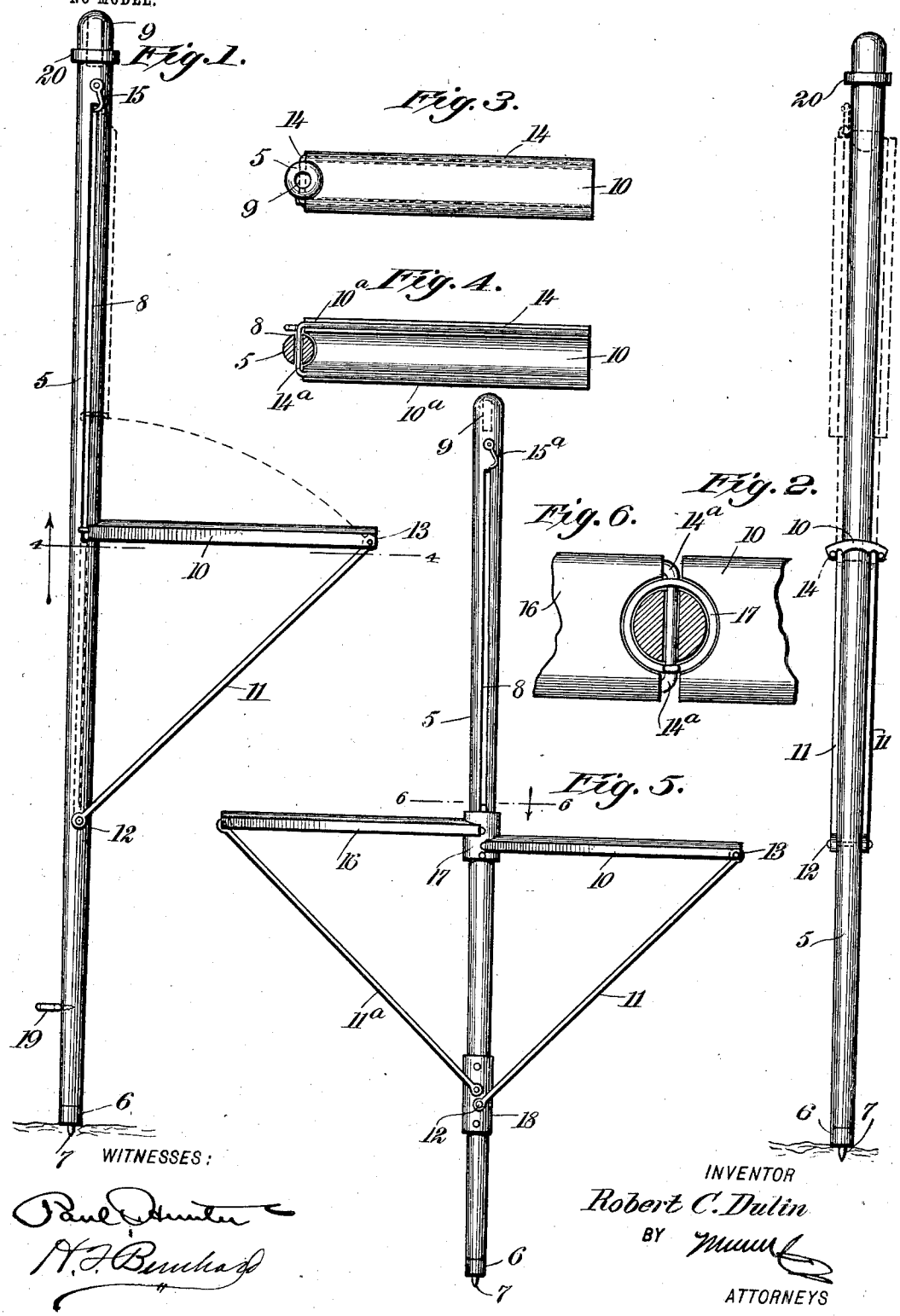
No. 731,291. PATENTED JUNE 16, 1903.

R. C. DULIN.

COMBINED CANE AND CHAIR.

APPLICATION FILED SEPT. 22, 1902.

NO MODEL.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 731,291. Patented June 16, 1903.

UNITED STATES PATENT OFFICE.

ROBERT C. DULIN, OF McKEESPORT, PENNSYLVANIA.

COMBINED CANE AND CHAIR.

SPECIFICATION forming part of Letters Patent No. 731,291, dated June 16, 1903.

Application filed September 22, 1902. Serial No. 124,390. (No model.)

To all whom it may concern:

Be it known that I, ROBERT C. DULIN, a citizen of the United States, and a resident of McKeesport, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Combined Cane and Chair, of which the following is a full, clear, and exact description.

My invention relates to improvements in combined canes and chairs; and the object that I have in view is the provision of a simple, strong, and cheap article in which the parts are arranged to fold compactly in order to facilitate transportation or handling of the article, the seat being easily unfoldable for use to afford a support for the person.

A further object is to provide a construction which admits of the use of two seats in connection with a single staff, and, furthermore, to equip the article with means for the attachment of an umbrella.

Further objects and advantages of the invention will appear in the course of the subjoined description, and the novelty will be defined by the annexed claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a combined cane and chair constructed in accordance with my invention and showing the parts unfolded for operation in full lines and folded compactly by dotted lines. Fig. 2 is an elevation at right angles to Fig. 1, showing the parts in their unfolded and folded positions by full and dotted lines, respectively. Fig. 3 is a plan view of the device shown by Fig. 1. Fig. 4 is a horizontal section on the line 4 4 of Fig. 1 looking upwardly in the direction of the arrow. Fig. 5 is an elevation of another embodiment of the invention, showing the cane adapted to support two seats; and Fig. 6 is an enlarged horizontal section on the line 6 6 of Fig. 5.

The staff 5 may be of any suitable size and may be constructed of wood or of metal—such, for instance, as aluminium. The lower end of the staff is provided with a ferrule 6, having a prong 7, and in the upper part of said staff is formed a longitudinal slot 8. The upper extremity of said staff may be provided with a socket 9 for the reception of a flag or other article.

10 designates a seat which is operatively connected with the staff, so as to be capable of slidable adjustment thereon, and this seat is stayed in its unfolded position by the employment of a brace 11, the inner end of which is pivoted to the staff, as at 12, and the other end of said brace is pivoted to the outer portion of the seat at 13. The seat 10 may be of metallic construction, or it may be made of wood or other material, and this seat is adapted for slidable connection with the slotted staff by the employment of a bail-shaped frame 14, the same being indicated by full and dotted lines in Figs. 3 and 4, respectively. This frame may be made from a single piece of wire of suitable strength, and it is adapted to be bent to the doubled or looped form shown more clearly by Fig. 4, thus providing a pair of parallel arms united by a cross-bar 14^a. The side edges of the seat 10 are united to the parallel arms of the frame 14 by soldering or otherwise attaching the parts, and, as shown by the drawings, the seat 10 is provided at its side edges with grooved lips 10^a, in which are secured the arms of the bail-shaped frame. The cross-bar 14^a of this frame is fitted loosely in the longitudinal slot 8, and this frame is adapted to have its cross-bar slide or move freely in the slotted portion of the staff when the seat is folded or unfolded. The seat 10 is preferably concaved in cross-section in order to fit snugly against the staff when the seat is folded to the dotted-line position in Figs. 1 and 2, and said seat is adapted to be maintained in its closed position by the brace 11 and by the engagement of a hook or fastener 15, said fastener being attached to the staff above the slot 8 thereof and adapted for engagement with a perforation or an eye on the seat. To unfold the seat for use, the fastener is released and the seat is forced downwardly, the cross-bar 14^a sliding in the slot until it reaches the lower end thereof. During this adjustment of the seat the brace 11 unfolds to the inclined position shown in Fig. 1, and the seat is thereby supported on the staff by the cross-bar 14^a resting against the lower end of the slot and by the brace 11.

In the construction shown in Figs. 5 and 6

I employ two seats, one of which is indicated at 10 and the other at 16, said seats being disposed on opposite sides of the staff when they are unfolded. The seats are pivotally or hingedly connected to a sleeve 17, which is fitted loosely on the staff, and, if desired, the cross-bars 14ª of the frames which support the two seats 10 16 may be extended through the sleeve 17 in order to slide freely in the slot 8 of said staff 5. The cross-bars of the two seats pass loosely through the sleeve for the purpose of pivotally attaching the seats to the sleeve, and one of these cross-bars may rest against the lower end of the slot when the sleeve is moved downwardly on the staff, said cross-bar serving to arrest the movement of the sleeve in one direction and to support the sleeve and the two seats in their active positions. The pair of seats are individually stayed in their unfolded positions by the braces 11 11ª, the outer ends of which are pivoted to the seats, while their inner ends are pivoted separately to a band or sleeve 18, adapted to be secured to the staff. To fold the parts shown by Fig. 5, the sleeve is moved upwardly on the slotted staff, and this adjustment draws the braces 11 11ª against the sides of the staff, while the seats 10 16 fold downwardly and inwardly against opposite sides of the staff. The sleeve is held in its raised position by a catch or fastener 15ª, and the seats are thus fastened in their folded positions and in compact relation to the staff.

The improved cane is equipped with means adapted to fasten an umbrella thereto. These means contemplate the employment of an eye 19, fastened to the staff near the lower end thereof, and the use of an elastic band 20 or its equivalent, the same being fitted to the upper part of the staff and adapted to engage with the handle of an umbrella. The lower end of an umbrella-rod may be slipped into the eye 19, and the band 20 may be adjusted to engage with the upper part of the umbrella.

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

1. A combined cane and chair, comprising a cylindrical slotted staff, a seat-frame having a cross-bar which is fitted in the slot of said staff, a grooved or channeled seat fastened to said seat-frame and having a curved under surface, said seat and frame being foldable compactly against the staff and the curved part of said seat being adapted to partially embrace a portion of said cylindrical staff, and a brace pivoted to said staff and to the seat.

2. A combined cane and chair, comprising a slotted staff, a slidable sleeve thereon, seat-frames loosely connected to the sleeve and having cross-bars which pass through the slot of the staff, seats secured individually to the seat-frames, said seats and frames being foldable against opposite sides of the staff and adapted to be unfolded in opposite directions, and separate braces for said seats.

3. A combined cane and chair, comprising a slotted staff, a sleeve fitted loosely thereon, independent seat-frames having cross-bars which are loosely connected to the sleeve and passing loosely through the slot of the staff, seats fastened individually to said seat-frames, and separate braces each pivoted to the staff below the slot therein and to one of the seats.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT C. DULIN.

Witnesses:
S. A. GRAHAM,
W. D. MANSFIELD.