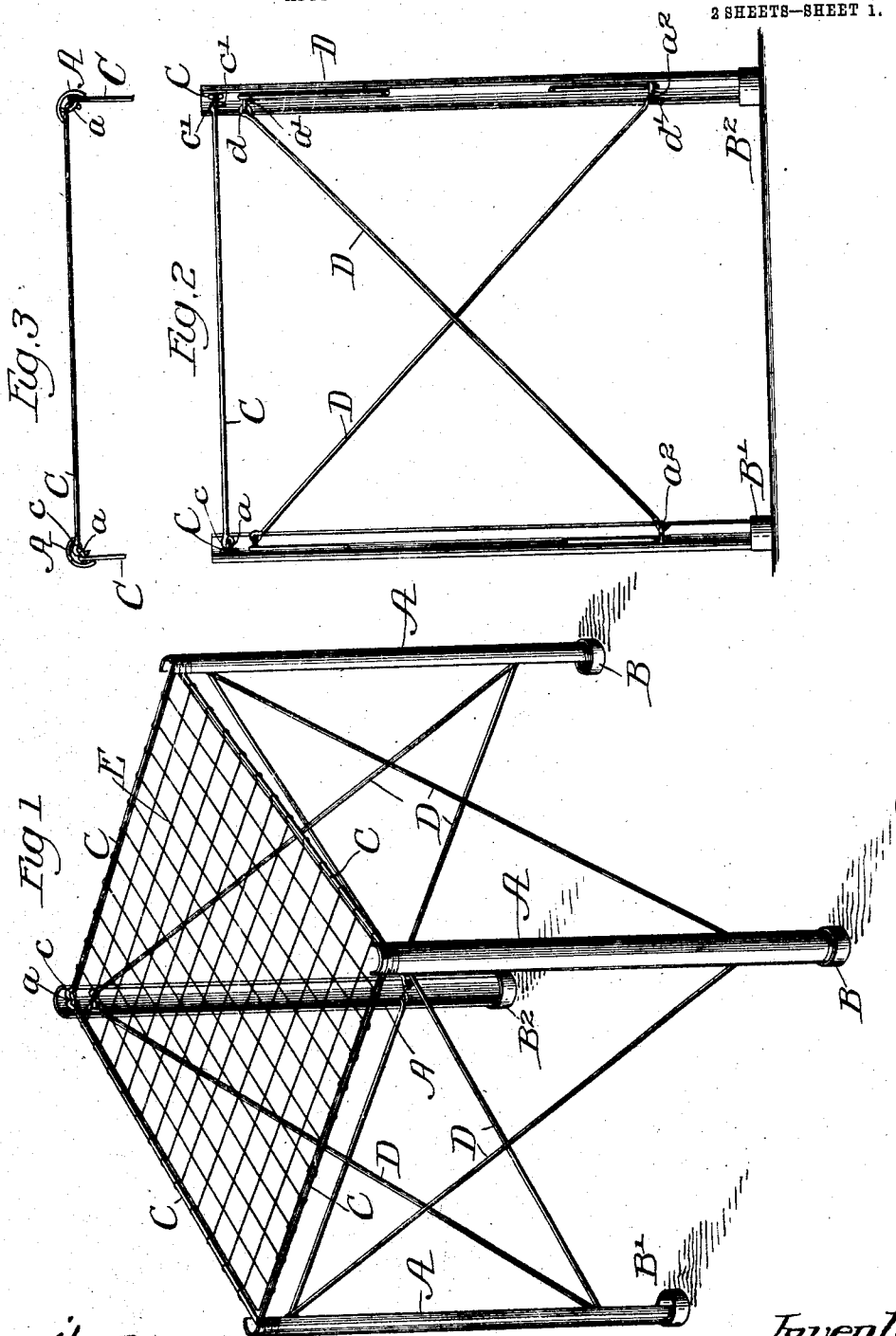


No. 859,500.

PATENTED JULY 9, 1907.

J. T. KERR.
COMBINED CANE AND STOOL.
APPLICATION FILED MAR. 28, 1905.

2 SHEETS—SHEET 1.



Witnesses:

H. G. Bantitt
C. V. Wilkins

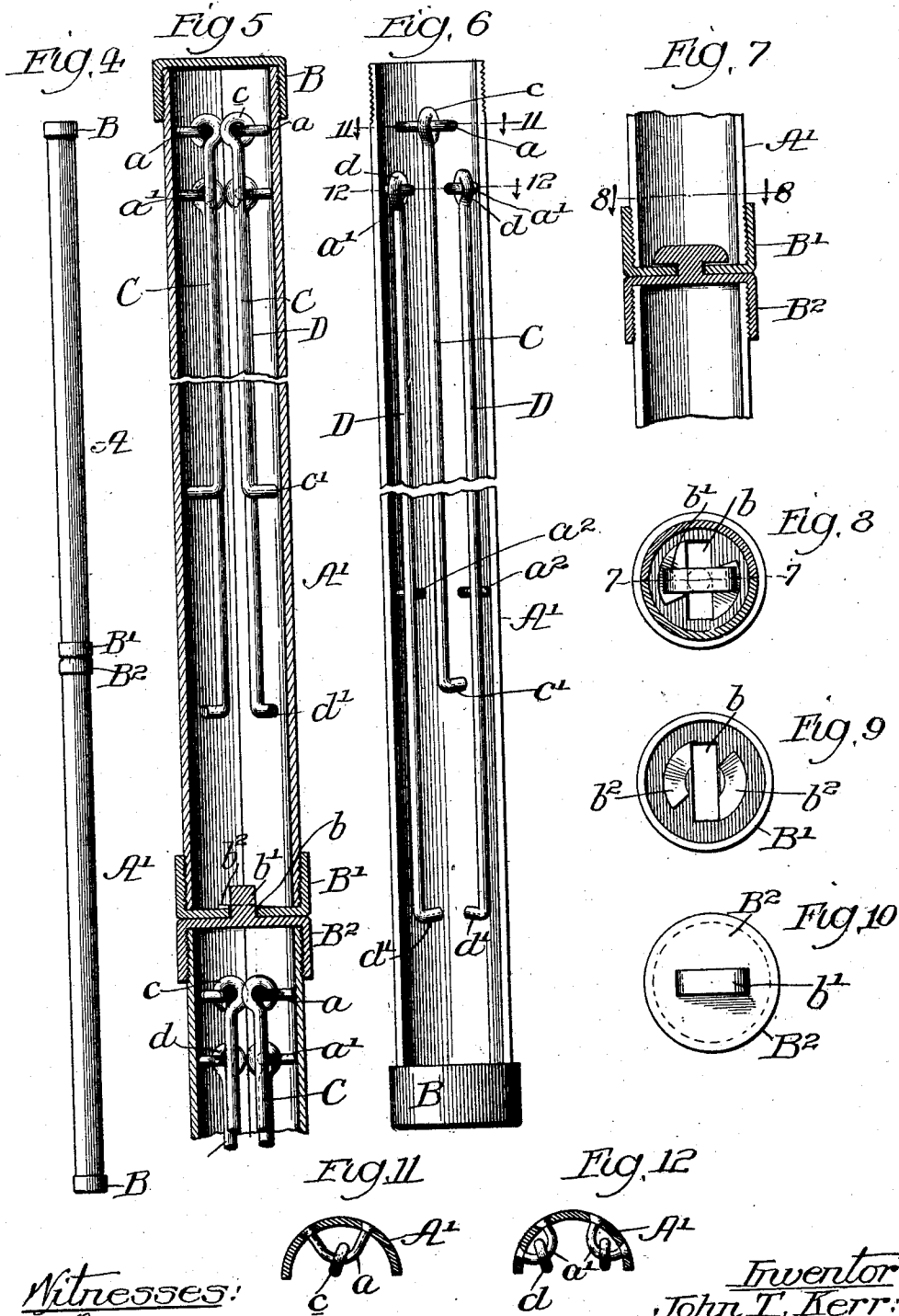
Inventor:

John T. Kerr

by *Boole & Brown* his Attys

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2 SHEETS—SHEET 2.



Witnesses:
H. E. Smith
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UNITED STATES PATENT OFFICE.

JOHN T. KERR, OF AURORA, ILLINOIS.

COMBINED CANE AND STOOL.

No. 859,500.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed March 28, 1905. Serial No. 252,535.

To all whom it may concern:

Be it known that I, JOHN T. KERR, a citizen of the United States, of Aurora, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in a Combined Cane and Stool; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to a novel article in the nature of a combined cane and stool, the same embracing four members or sections, each having the form of a half-tube, said sections being adapted to constitute the standards or legs of the stool and to be secured together to form a cane, and being provided with supporting and brace rods which connect said sections to form the stool and which are contained within said sections when the latter are placed together to form a cane.

The invention consists in the matters hereinafter described and pointed out in the appended claims.

In the accompanying drawings illustrating my invention,—Figure 1 is a perspective view of the stool made in accordance with my invention. Fig. 2 is a sectional view showing two of the half-tube sections when constructed to form two of the standards of the stool. Fig. 3 is a plan of the parts shown in Fig. 2. Fig. 4 is a side view of the parts when assembled to form a cane. Fig. 5 is an enlarged, detail, longitudinal section through the parts when assembled to form a cane, as shown in Fig. 4. Fig. 6 is a face view of one of the half-tube sections, with a cap applied to one end thereof. Fig. 7 is a detail section through the caps which join the two tube sections forming the cane, taken on line 7—7 of Fig. 8. Fig. 8 is a plan section taken upon line 8—8 of Fig. 7. Fig. 9 is a plan view of the slotted cap shown in Fig. 7. Fig. 10 is an exterior end view of the cap with the locking lug shown in Fig. 7. Fig. 11 is a cross-section of a half-tube section, taken upon line 11—11 of Fig. 6. Fig. 12 is a cross-section of a half-tube section, taken upon line 12—12 of Fig. 6.

In said drawings, A A indicate four half-tube sections, all of which are alike and which are adapted to be placed in pairs to form two tube sections, such as are indicated as a whole by A¹ A¹ in Fig. 4. Said tube sections A¹ A¹ are adapted to be joined end to end to form a cane, as shown in said Fig. 4, and exteriorly screw-threaded at both ends.

B, B, B¹, B² indicate four caps which are interiorly screw-threaded to engage the ends of the tube sections A¹ A¹. The caps B B are plain caps designed merely to cover or close the ends of the tube sections A¹ A¹. and to join the half-tube sections with each other

when screwed upon the ends of the joined half tube sections. The caps B¹ B² serve the same purpose as the caps B B and are adapted for interlocking connection with each other. Said caps B¹ B² are applied to the ends of the tube sections A¹ A², Fig. 4, which meet each other to form the cane. Interlocking connections between said caps B¹ B² are formed by means of a slot *b* in the cap B¹ and a T-headed lug *b*¹ on the cap B². Said T-headed lug *b*¹ is adapted to be inserted through the slot *b* and to be turned cross-wise of the slot by relative rotation of the two caps so as to lock the same together. Preferably the inner face of the cap B¹, against which the ends of the T-headed lug bears, is provided with beveled surfaces *b*² *b*² so that the arms of the T-head will be tightened against the end wall of the said cap B¹ when the parts are connected.

Each half-tube section A is provided with a seat supporting rod C and two brace rods D D each of which is flexibly connected at one end to the half-tube section at the inner face and near one end of the same. The supporting rods C C are connected with the half-tube sections near the ends of the same which are uppermost when the stool is in use, so that the sections extend only a short distance above the said rods when they are placed in a horizontal position. The flexible connections are shown as consisting of eyes on the rods engaging loops on the sections. As shown in the drawing, the seat supporting rod C is provided with an eye *c* engaging a loop *a*, the ends of which are secured in the walls of the half-tube A. At its free end the supporting rod C is provided with a hooked end *c*¹ adapted to engage the corresponding loop *a* on another half-tube. The brace rods D likewise have each at one end an eye *d* engaging a loop *a*¹ secured in the wall of the half tube and projecting inside of the same. At its free end each brace rod D is provided with a hook *d*¹ adapted to engage loops *a*² on another of the half-tube sections, each half-tube section having two loops *a*² near its end which is downward when the stool is in use.

When the parts are set up to form a stool, they are arranged as shown in Figs. 1, 2 and 3, the supporting rods C being extended horizontally between adjacent half-tube sections at one side of the stool and hooked into the loop *a* of the next adjacent half-tube section, while the brace rods D D cross each other and are hooked into the loops *a*² *a*² near the lower ends of adjacent half-tube sections. The connecting rods C and the braces D D, connecting with each other the four half-tube sections which form the legs or uprights for the stool in the manner described, serve to strongly and rigidly hold in parallel relation the said half-tube sections.

A supporting surface or seat for the stool is formed

by a piece of flexible material, such as cloth or netting, connected at its margins with the four horizontal supporting rods C C. As shown in the drawings, a piece of netting E is used, the crossed strands of which are provided at their ends with rings or hooks engaging the said rods C C.

In the operation of taking apart the stool and assembling the parts to constitute a cane, the flexible seat E is removed or disconnected from the supporting bars C, the several supporting bars and brace bars C and D D are disconnected from the half-tube sections at their free ends, and said bars are swung into the half-tube-sections to which they belong. The half-tube sections are then placed together in pairs, as seen in Fig. 5, and the caps B, B, B¹, B² then applied to the ends of the two pairs of half-tube sections, so as to join them and form two tube sections, as indicated at A¹ A¹ in Fig. 4. The two tube sections are then joined end to end by interlocking the caps B¹ B² with each other in the manner heretofore described. The article then may be used as a cane. The flexible seat portion E may be rolled or folded into a small compass and carried in the pocket. When the parts are set up to form a stool, the said caps B, B, B¹, B², are preferably applied to the lower ends of the half-tube sections A A, as seen in Figs. 1, 2 and 6, and thereby form bases for the stool legs adapted to rest upon the ground and to protect from injury the screw-threads on the sections.

I claim as my invention:—

1. A combined cane and stool comprising four half-tube sections, means for connecting said sections with each other in position to form the legs of a stool, and caps adapted to be applied to the ends of the pairs of half-tube sections to hold the same together, two of said caps being provided with interlocking means by which the pairs of half-tube sections may be joined end to end.

2. A combined cane and stool comprising four half-tube sections, folding seat supporting rods extending between and connecting the sections, and a seat portion of flexible

material adapted to be connected at its margins with said rods.

3. A combined cane and stool comprising four half-tube sections each provided with a loop and with a supporting rod having at one end an eye engaged with said loop and at its free end a hook, and a seat portion of flexible material adapted to be connected at its margins with the said supporting rods.

4. A combined cane and stool comprising four half-tube sections each provided with a supporting rod and two brace rods flexibly connected therewith at its inner surface near one of its ends and having their other ends free and provided with releasable fastening devices, said sections having also near its other end interior loops to engage the fastening devices at the free ends of said brace rods.

5. A combined cane and stool comprising four half-tube sections, each having near one of its ends three interior loops and near its opposite end two interior loops, and each half-tube section being provided with a supporting rod provided with an eye engaging one of said three loops, and a hook at its free end, and also with two brace rods each having an eye engaging the other two loops and hooks at their free ends.

6. A combined cane and stool comprising four half-tube sections, and screw-threaded caps adapted to engage the half-tube sections when placed together in pairs, one of said caps being provided with a transverse slot, and another of said caps with a T-headed lug adapted to enter said slot to afford interlocking engagement of the caps with each other.

7. A combined cane and stool comprising four half-tube sections, supporting and brace rods each of which is flexibly connected with one of the sections and is adapted for interlocking connection with another section, said supporting and brace rods being adapted to be folded within the sections and screw-threaded caps adapted to be applied to the ends of the sections when placed together in pairs, one of said caps being provided with a slot and another with a T-headed lug adapted to enter said slot.

In testimony, that I claim the foregoing as my invention I affix my signature in presence of two witnesses, this 25th day of March A. D. 1905.

JOHN T. KERR.

Witnesses:

ARCHIE E. KERR,
C. CLARENCE POOLE.