W. BRAND.

COMBINED MUSIC-STAND AND WALKING-CANE.

No. 185,425. Patented Dec. 19, 1876.

Fig. 2

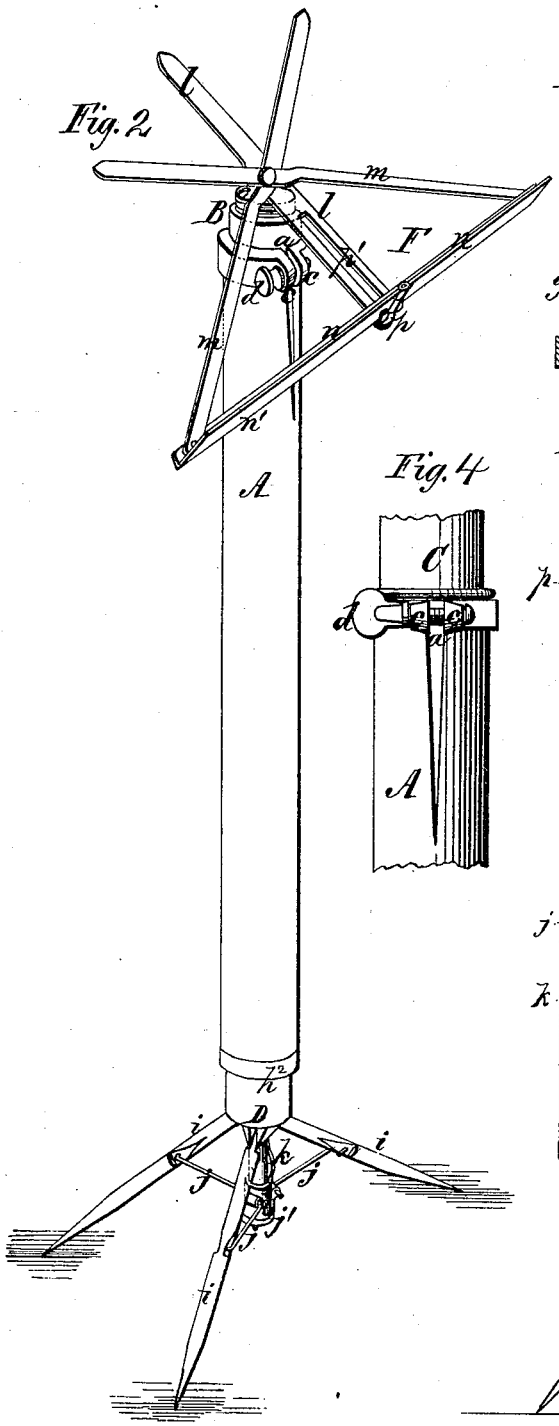

Fig. 1

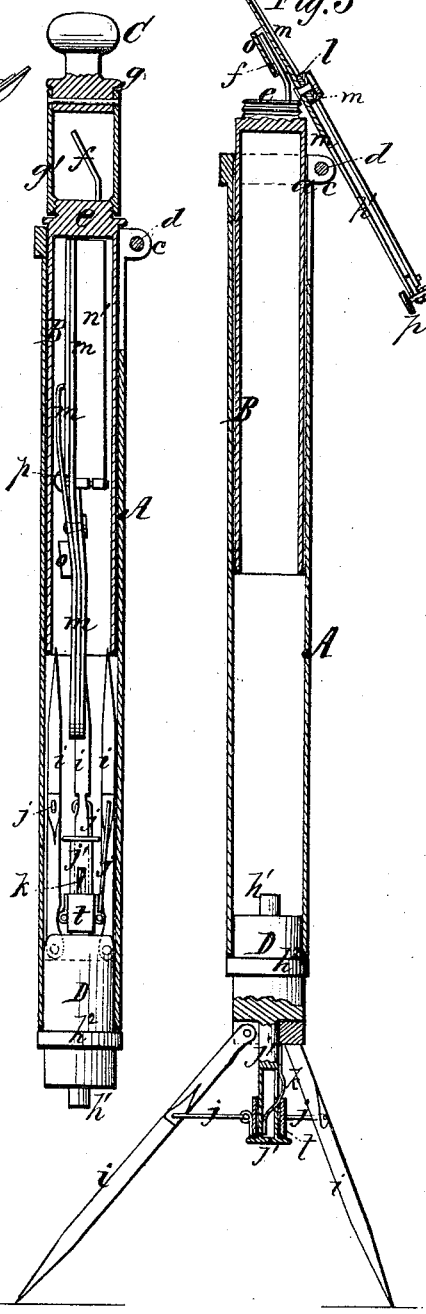

Fig. 3

Fig. 4

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IMPROVEMENT IN COMBINED MUSIC-STAND AND WALKING-CANE.

Specification forming part of Letters Patent No. **185,425**, dated December 19, 1876; application filed April 1, 1876.

To all whom it may concern:

Be it known that I, WILLIAM BRAND, of Burlington, in the county of Des Moines and State of Iowa, have invented a new and useful Combined Music-Stand and Walking-Cane; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a vertical transverse section of the music-stand with the parts inclosed within the main tube sections, and the same in a condition for being used as a walking-cane. Fig. 2 is a perspective view of the music-stand in a condition for holding music sheets or books. Fig. 3 is a transverse section of the same, with the parts in the same position as Fig. 2. Fig. 4 is a front view of the clamping device as applied.

My invention relates to an improvement in that class of walking-canes which are adapted for containing music-supporting racks, and for supporting such racks with music sheets or books outside of the cane while musicians are performing in gardens and other places.

To enable others skilled in the art to understand my invention, I will proceed to describe it.

In the accompanying drawings I represent the cane composed of four parts, A, B, C, and D. The part A is a main tube open at both ends. The upper end of this tube has a V-shaped split in it, running longitudinally a short distance, as at *a*, and around this split portion a split band with screw-tapped clamping-jaws *c c* are fastened. Through the said clamping-jaws a screw, *d*, passes, and serves to contract and expand the diameter of the band and split end of the tube. In the upper portion of the tube A the shorter auxiliary tubular section B is inserted. This section is open at its lower end, and is of about the same diameter as the interior of the main section A. In the upper end of section B an externally screw-threaded solid plug, *e*, is fitted, so as to have its screw-thread project a short distance above the top of the tube B. On this plug an oblique-setting bracket or music-rack holder, *f*, is firmly fastened. On the screw-threaded portion of the plug *e* the head-section C of the cane is screwed, said head-section being formed of an enlarged rounded solid portion, *g*, and a tubular portion, *g'*, which latter is screw-threaded internally. The tubular portion *g'* of the head-section affords room for the music-rack holder *f*. The bottom or ferrule portion D of the cane is in form of a solid plug, with a reduced stem, *h*, at its lower end, and a similar, but longer, stem, h^1, at its upper end. This plug enters the lower end of the main section A of the cane, and has a shoulder, h^2, midway of its length, which prevents its passing too far into the tube A.

In order to make the cane described capable of standing like a tripod in the field or upon the floor, three legs, *i i i*, are pivoted to the top of the ferrule-section D, and in order to open or spread these legs to form the support for the cane, and close them so that they may be inserted into the tube A along with the plug-ferrule D, brace-rods *j j j* are fastened by a pivot-connection to the respective legs, and these rods are by their other ends fastened by pivotal connections to a sliding sleeve, *t*, on the stem *j* of the plug. A spring-catch, *k*, on the stem *j* serves to hold the sleeve from moving when the legs are spread apart, as shown; and in order to make the cane useful for supporting music while the musician is performing in the field or at any place a folding music-rack, F, is provided, which is so constructed that it can be compacted and inserted into the main and auxiliary tubes A and B of the cane. This rack consists of a central longitudinal bar, *l*, two pivoted diagonally-crossed bars, *m m*, and a horizontally-jointed bar, *n*. The jointed bar *n* has a broad flange, *n'*, for supporting the edge of the music book or sheet, and the pivot *p* of the hinge forming the joint, when folding, plays in a long slot, *p'*, formed in the central longitudinal bar *l*. The diagonally-crossed bars are pivoted at the lower ends to the outer ends of the bar *n*, and midway of their length to the central bar *l*. The bars *l* and *m m* form an inclined bed for supporting the broad surface of the book or sheet of music. On the back of the bar *l* a pocket, *o*, is formed to receive the oblique bracket *f* when the cane is adjusted, as shown in Figs. 2 and 3, for supporting the music-rack.

The rack constructed as shown folds up in the compact manner represented, the bar *n* fitting snugly between the upper jaws of the crossed bars *m m*, and the lower ends of these bars closing upon one another, and opposite the central bar *l*. When the rack is inserted into the tube-sections A and B, the larger portion of it enters the tube-section B, and the smaller portion enters the tube-section A, and occupies a place between the legs *i i i* of the tripod, as shown. After the rack and tripod are placed within the tubes, the head-section C is screwed over the bracket *f*, and all is concealed from view.

In case it is desired to have the cane of greater length to suit different heights of persons, or to hold the music-rack at a greater altitude, the clamp-screw *d* is slackened, and the tubular section B raised in the section A the desired distance, and the screw again tightened so as to cause the parts A and B to bind upon each other firmly.

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

1. The combined extensible cane and music-stand, consisting of the tubular sections A B, constructed and fastened together so as to telescope one within the other, the folding and expansible tripod D adapted for forming the ferrule to the cane, and being stored away in the tube-section A, the folding and expansible music-supporting rack F, adapted to be stored within the tube-sections A B, and having a pocket by which it can be hung upon a bracket, the plug *e* having an oblique bracket for supporting the music-rack, and the head with the tubular portion to receive the bracket, all substantially as described.

2. The tubular cane-sections A B, the section B being inexpansible, and provided with a bracket, *f*, for supporting a music-rack, and the two sections being united together by splitting the upper end of section A, and providing an expansible collar with clamping-jaws and screw upon said split section, substantially as described.

3. The screw-plug *e*, with oblique bracket *f*, fitted within the section B, in combination with the head C and its tubular portion *g'*, substantially as described.

4. The folding music-rack F, composed of the bars *l m m n*, the said respective bars folding as described, and the bar *l* having a bracket-pocket, in combination with the portions A B, and the bracket *f* on screw-plug *e*, substantially as described.

5. A combined music-stand and walking-cane having a tripod-base composed of hinged legs *i*, hinged rods *j*, sliding sleeve *t*, spring *k*, and ferrule-plug with guiding-stem *j*, substantially as and for the purpose described.

6. A combined music-stand and walking-cane, consisting of a hollow cane or tube section A, having an adjustable ferrule-section or tripod-base D, the adjustable auxiliary tube-section B, supporting a folding music-rack, F, and the head-section C, substantially as described.

7. The folding music-rack composed of the bars *l m m n*, the said respective bars folding, as and in the manner described.

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Witnesses:
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