

A. W. WHITE.  
Music-Stand.

No. 132,704.

Patented Oct. 29, 1872.

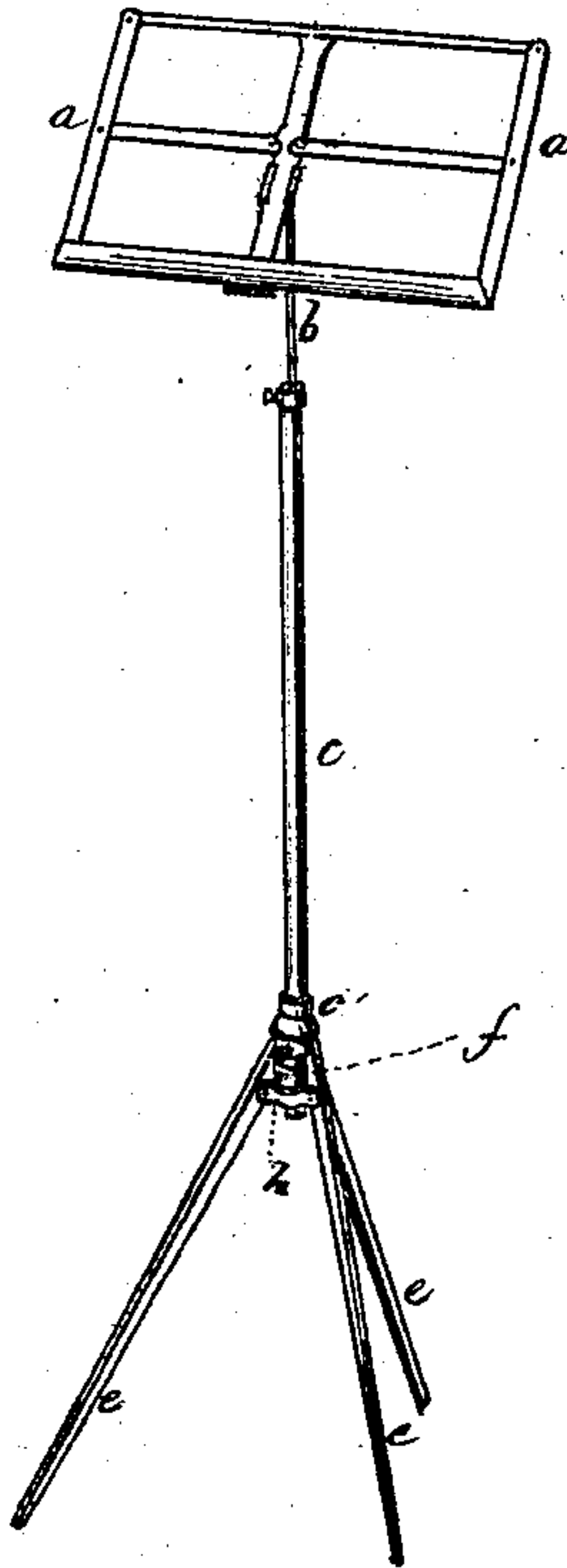


Fig. 1

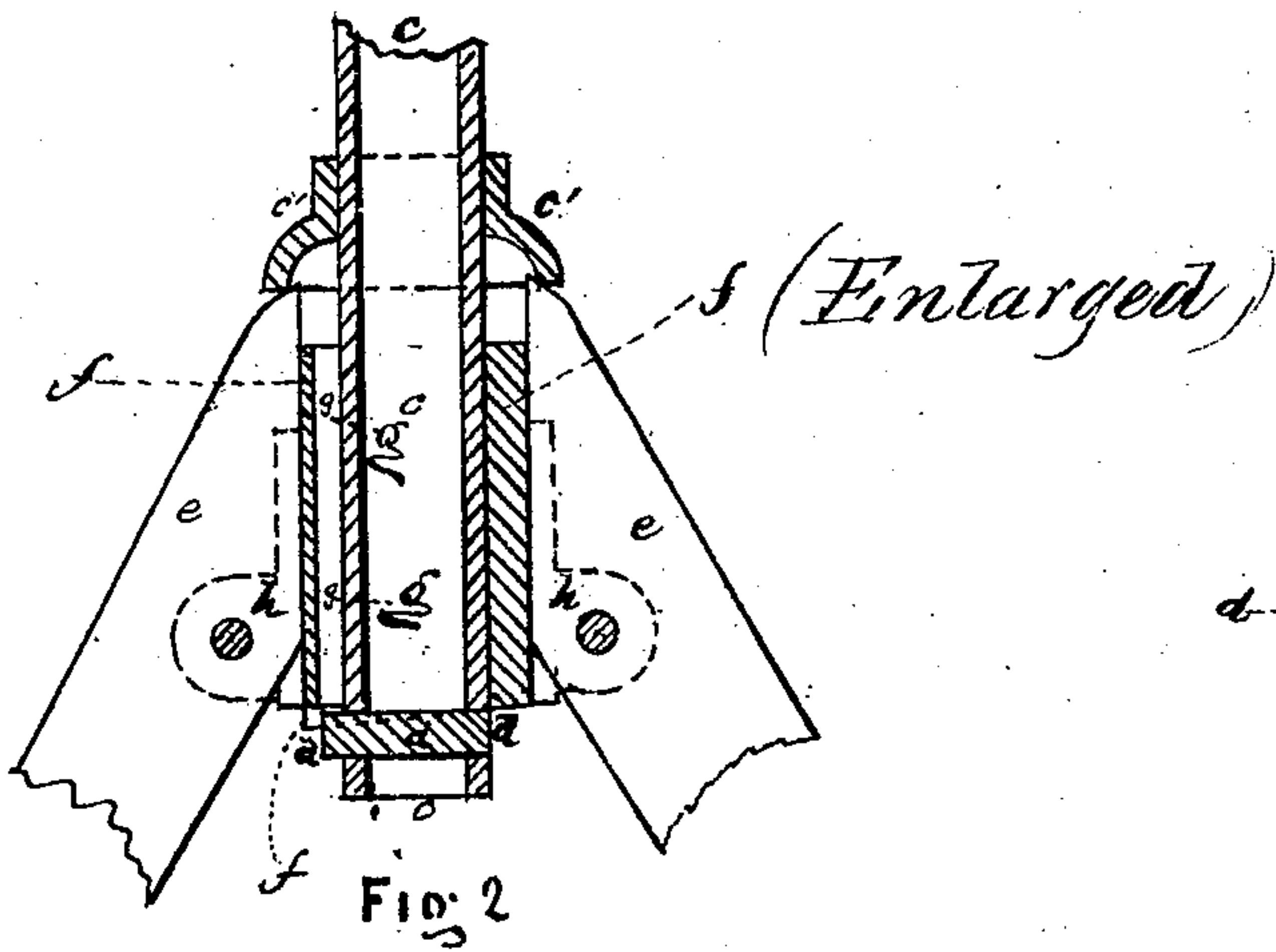


Fig. 2

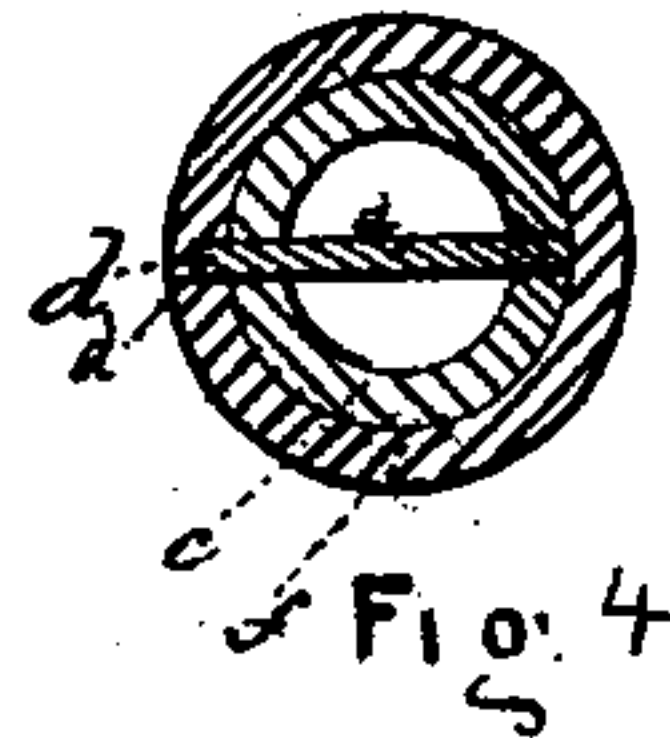


Fig. 4

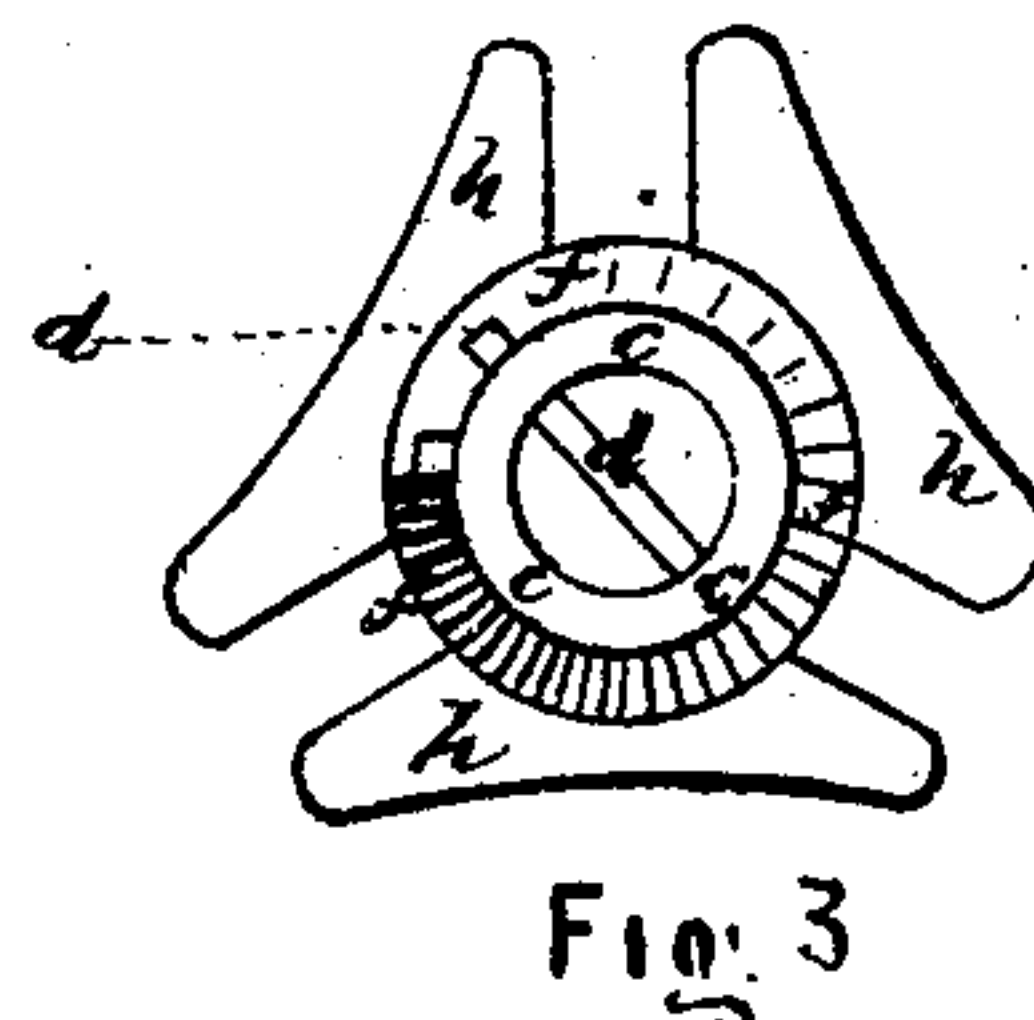


Fig. 3

Asa W. White.

WITNESSES

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# UNITED STATES PATENT OFFICE.

ASA W. WHITE, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN MUSIC-STANDS.

Specification forming part of Letters Patent No. 132,704, dated October 29, 1872; antedated October 26, 1872.

*To all whom it may concern:*

Be it known that I, ASA W. WHITE, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Music-Stands, of which the following is a specification:

My invention relates to the method of attaching and securing the standard to the legs so as to make the whole stand firm and steady.

A lug or projection is fixed to one side of the standard and is made to fit and slide through a slot in the tube, upon which are fixed the legs. Having passed through the slot, a turn of the standard makes it tight and secure, as the standard above the tops of the legs is surrounded by a cap, and the lower side of the tube above named is made in an inclined plane.

In the accompanying drawing, Figure 1 is a perspective view of a music-stand embodying my invention; Fig. 2 is an enlarged vertical section of that particular portion of the stand in which my invention lies, showing the lower part of the standard, the tube, the upper portions of two of the legs, &c; Fig. 3 is a view of the under ends of the tube and standard; and Fig. 4 is a cross-section of the tube and standard.

Similar letters of reference indicate corresponding parts.

*a* is the desk. *b* is the rod used in lowering or raising the desk *a*. *c* is the standard. *c'* is the cap. *eee* are the legs. Thus far there is no substantial change from music-stands now in common use. *f* is the tube, through which the lower part of the standard *c* passes. *g* is a slot extending the length of the tube *f*. *d* is the lug or projection from the standard *c*,

which fits and passes through the slot *g*. In this case the projection *d* is extended through the hollow standard *c*, but it is not necessary, although it may be convenient. *h h h* are simple projections from the tube *f*, to support the legs *eee*. They are not claimed as any part of my invention.

It will be noticed that the lower end of the tube *f* is made in an inclined plane. It commences at one side of the slot *g*, and drops gradually around its circumference until it reaches the opposite side of the slot. This will be noticed in Fig. 2 by examining the broken line, and in Fig. 3 by noting the shading around the circumference of the tube, as it increases in heaviness as the tube drops lower and lower until the slot is reached.

In practical operation all that is required to firmly connect the standard and legs is to drop the standard through the tube, (the projection passing through the slot,) spread the legs, and give a slight turn to the standard to tighten it by jamming the projection against the lower or inclined end of the tube, which clamps cap *c'* firmly upon legs *e*.

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

The projection *d* and cap *c'* upon the standard *c*, in combination with the tripod *eee* and tube *f* provided with the slot *g*, the lower end of said tube being spirally inclined, substantially as and for the purpose set forth.

ASA W. WHITE.

Witnesses:

HENRY W. WILLIAMS,  
B. W. WILLIAMS.