(No Model.)

W. J. BISHOP.

FOLDING TRIPOD SUPPORT OR STAND.

No. 284,269. Patented Sept. 4, 1883.

Fig. 1.

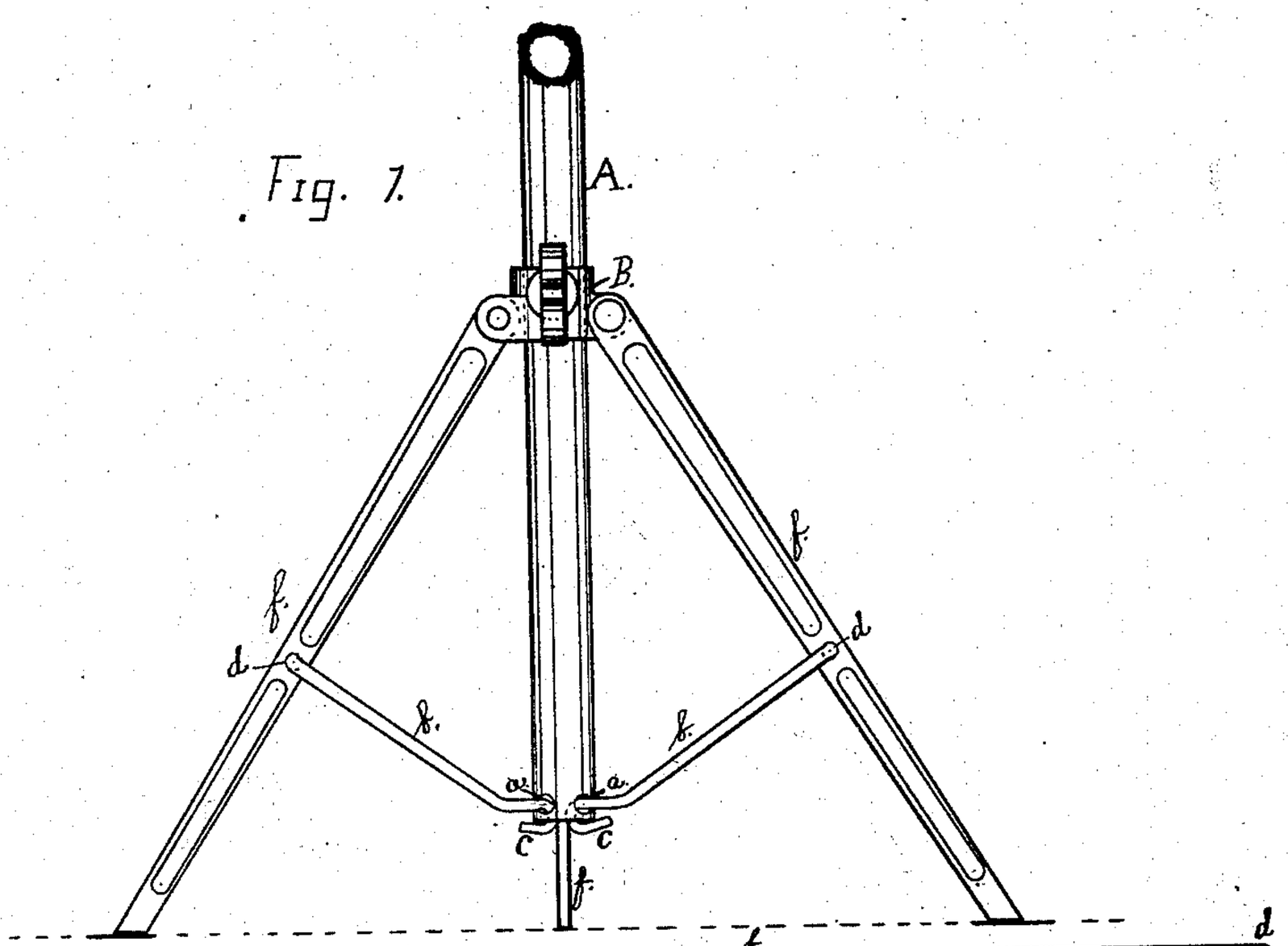


Fig. 2.

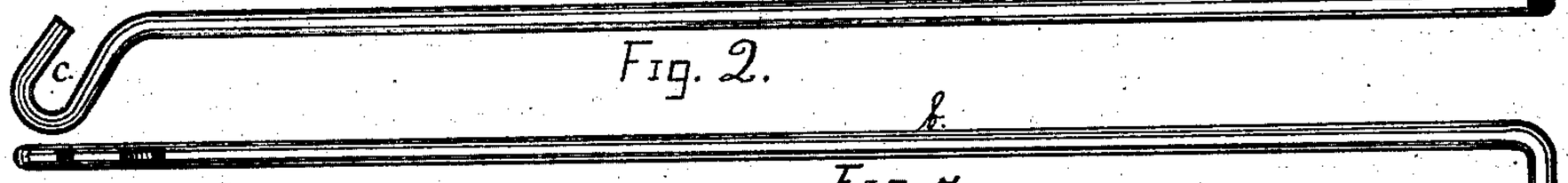


Fig. 5.

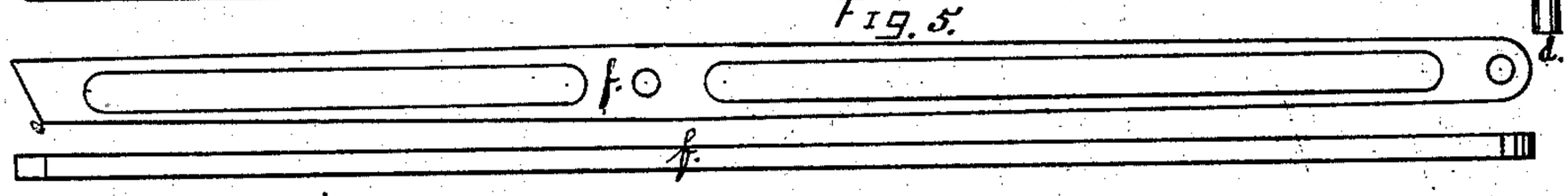


Fig. 3.

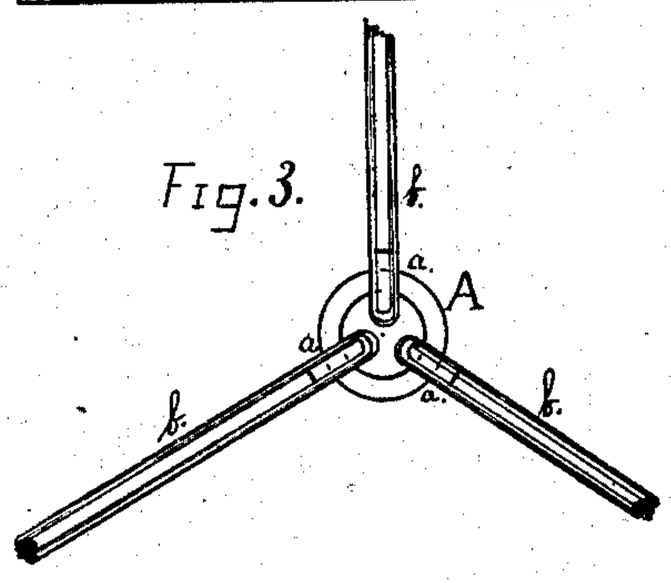
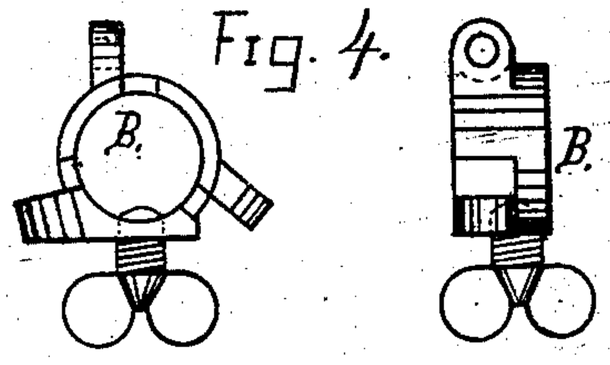


Fig. 4.



WITNESSES.

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FOLDING TRIPOD SUPPORT OR STAND.

SPECIFICATION forming part of Letters Patent No. 284,269, dated September 4, 1883.

Application filed March 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. BISHOP, of the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Folding Tripod Supports or Stands, which may be used for supporting books, sheet-music, or other like purposes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front elevation of a tripod constructed according to my invention. Fig. 2 is a view of one of the wire brace-rods. Fig. 3 is a bottom view of the main tubular staff or body. Fig. 4 is a view of the sliding collar or runner. Fig. 5 is a view of one of the legs.

Similar letters of reference in the accompanying drawings indicate corresponding parts.

The object of my invention is to construct a tripod of metal that will be cheap, light, strong, and can be folded into a small space.

The improvement consists in forming holes in the bottom of the tubular staff, and connecting the brace-rods without the intervention of a socket, as has been used heretofore. The brace-rods are made of wire with a hook at each end, that the hooks may form joints, one joint being in the tubular staff and the other in the leg.

In the drawings, A represents the metal tubular staff, which staff I prefer to make of half-inch-iron gas-pipe. Near the bottom of this metal staff I drill three holes, *a a a*.

B is a malleable-iron collar or runner constructed with three ears and an adjusting thumb-screw. The collar is made to slide on the staff A. It may be adjusted to such points on the staff as desired and fastened by the thumb-screw.

f represents the legs, which I make of malleable iron. They are cast with panels in the sides, as is shown in the drawings. These panels will enable me to make the legs light of weight, yet of sufficient strength for all purposes.

b represents the wire braces. On these braces, at one end, I bend a hook, *c*, and at the other end a hook, *d*. These hooks are bent and formed on a former, so that the hooks and length of the braces will all be uniform in shape and length.

In putting the tripod together I use a small rivet in each of the ears of the runner B. With this rivet the top of the leg is connected to the runner B and forms a joint at that point. The hook *d* on brace *b* forms a joint in the middle of the leg *f*. The hook *d* is slightly riveted to form a burr, which prevents the hook *d* from coming out of the leg. The hook *c* forms a joint in the hole *a* at the bottom of the tubular staff A.

The tubular staff in the drawings is shown broken at the top; but when of full length it has a screw-thread cut on it at the top, upon which is screwed a "reducing-coupling," in which coupling is a thumb screw similar to the one in runner B.

The adjusting and supporting rod and music-holder, when my invention is used for a music-stand, is constructed as is shown and described in Patent No. 218,854, August 26, 1879. It is obvious that other music-holders may be used with my improved tripod-support.

When using my improvement for a music-stand or other such purposes that require it high, and for supporting a light weight, the runner B is moved down near to the bottom of the staff A. This will give nearly the full length of the staff A for elevation.

It is obvious that my improved tripod may be used to support a seat, which seat may be fixed on the top of the staff A. When I use it as such or to support a heavy burden, I drop the bottom of the staff A, as is shown in the drawings, and in some cases let the bottom or hooks *c c c* rest on the floor or ground. It will then support quite a heavy weight for its size.

It is obvious that the staff A may be made of larger pipe than is mentioned in the fore part of this specification, and the other parts may be constructed of such size as the use of the invention will call for.

When the tripod is to be folded up, the thumb-screw in the runner B is loosened and the runner B moved up. This will close the legs *f*

close to the staff A, and the tripod may be carried in a small space.

I am aware that folding metal tripods are not new; but

As my invention and improvement, I claim—

A tubular metal supporting-staff A, having holes *a a a* at the bottom, wire brace-rods *b b b*, constructed with hooks *c* and *d* to form a flexible joint, in combination with the legs *f f f* and runner B, as shown, described, and for the purpose specified.

WM. J. BISHOP.

Witnesses:
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SAML. HENSHALL.