

George W. Knight's Impt. in Traveller Ring Supporters

108270

PATENTED OCT 11 1870

Fig. 1.

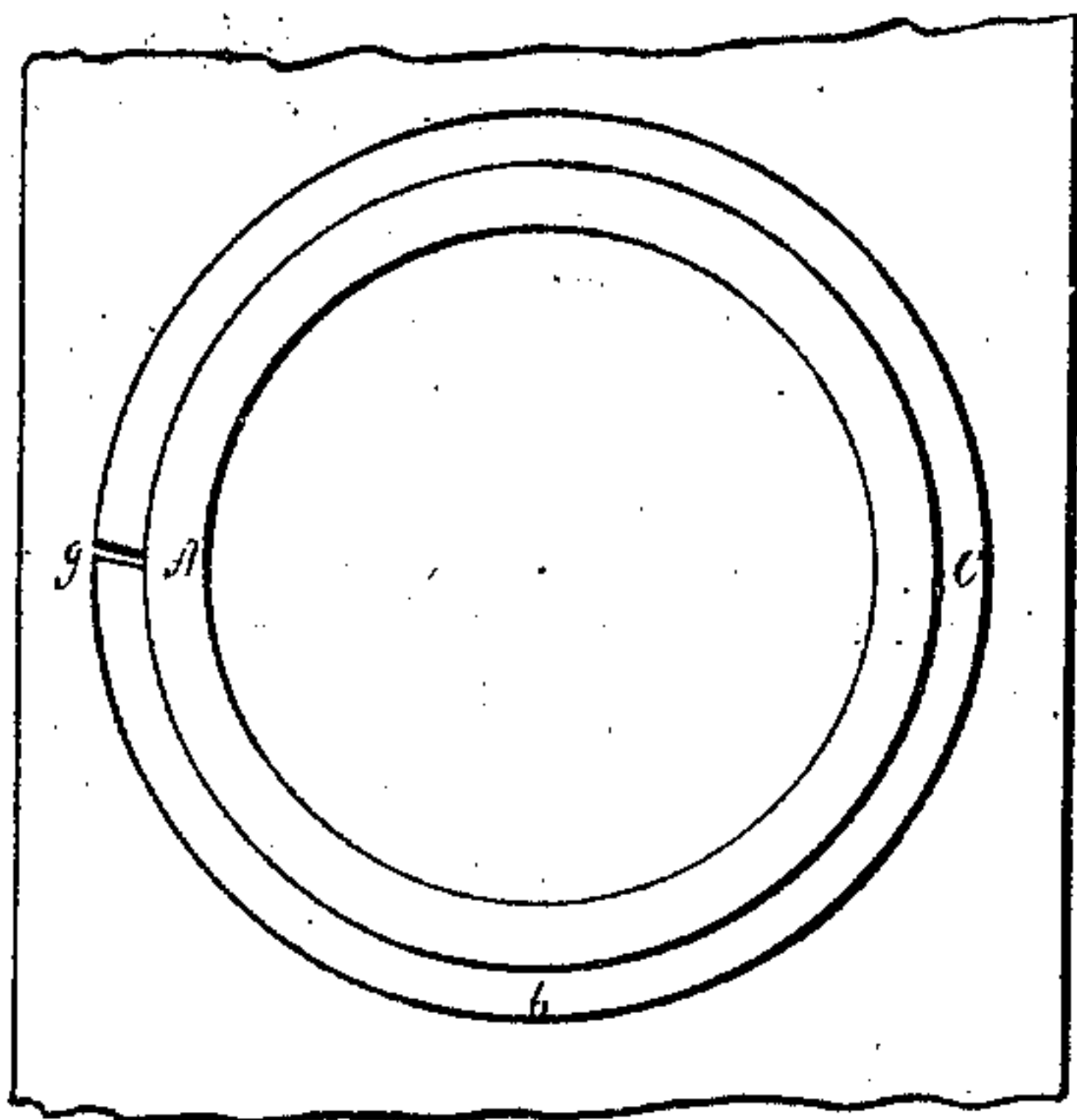


Fig. 3.

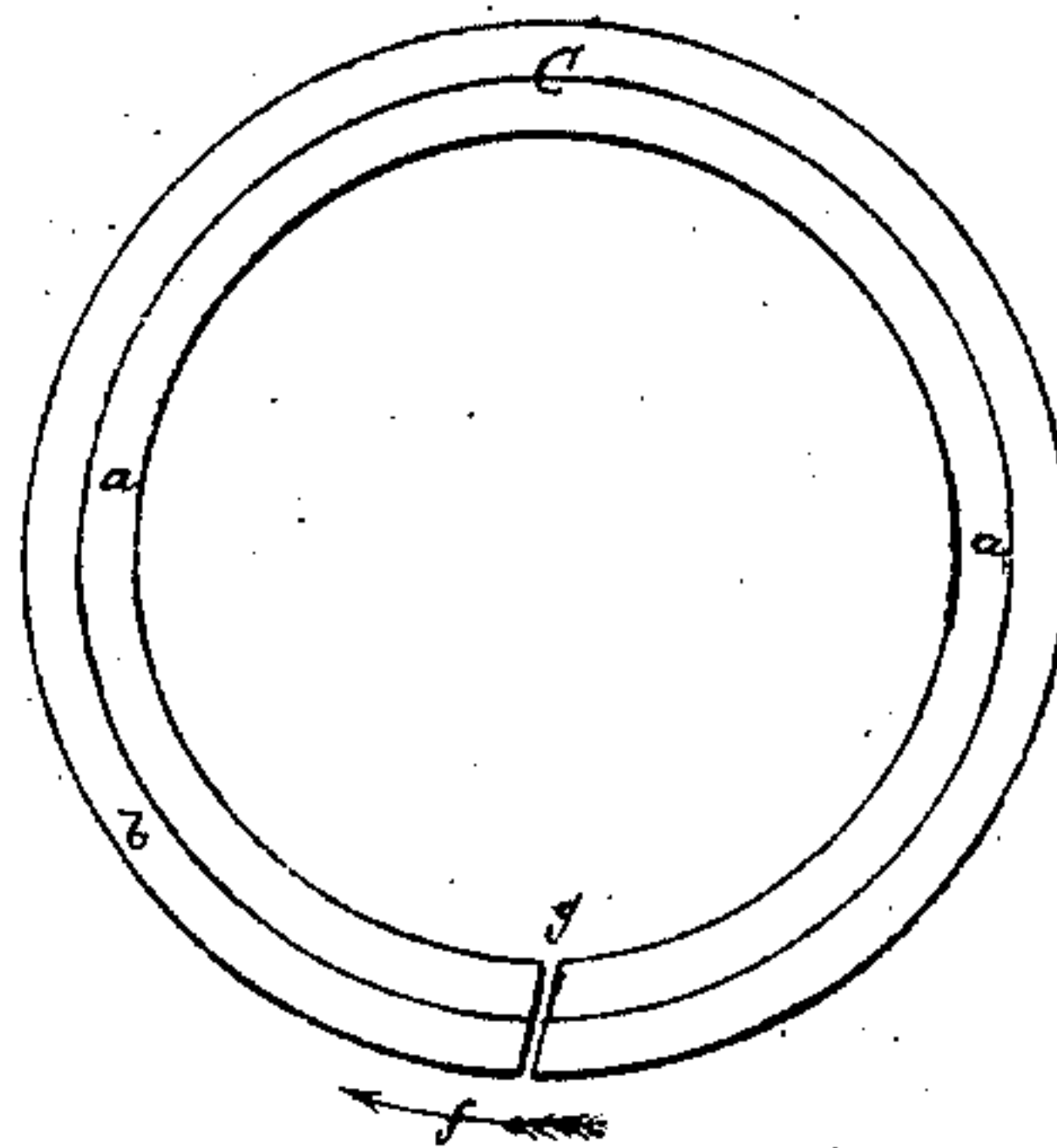


Fig. 2.

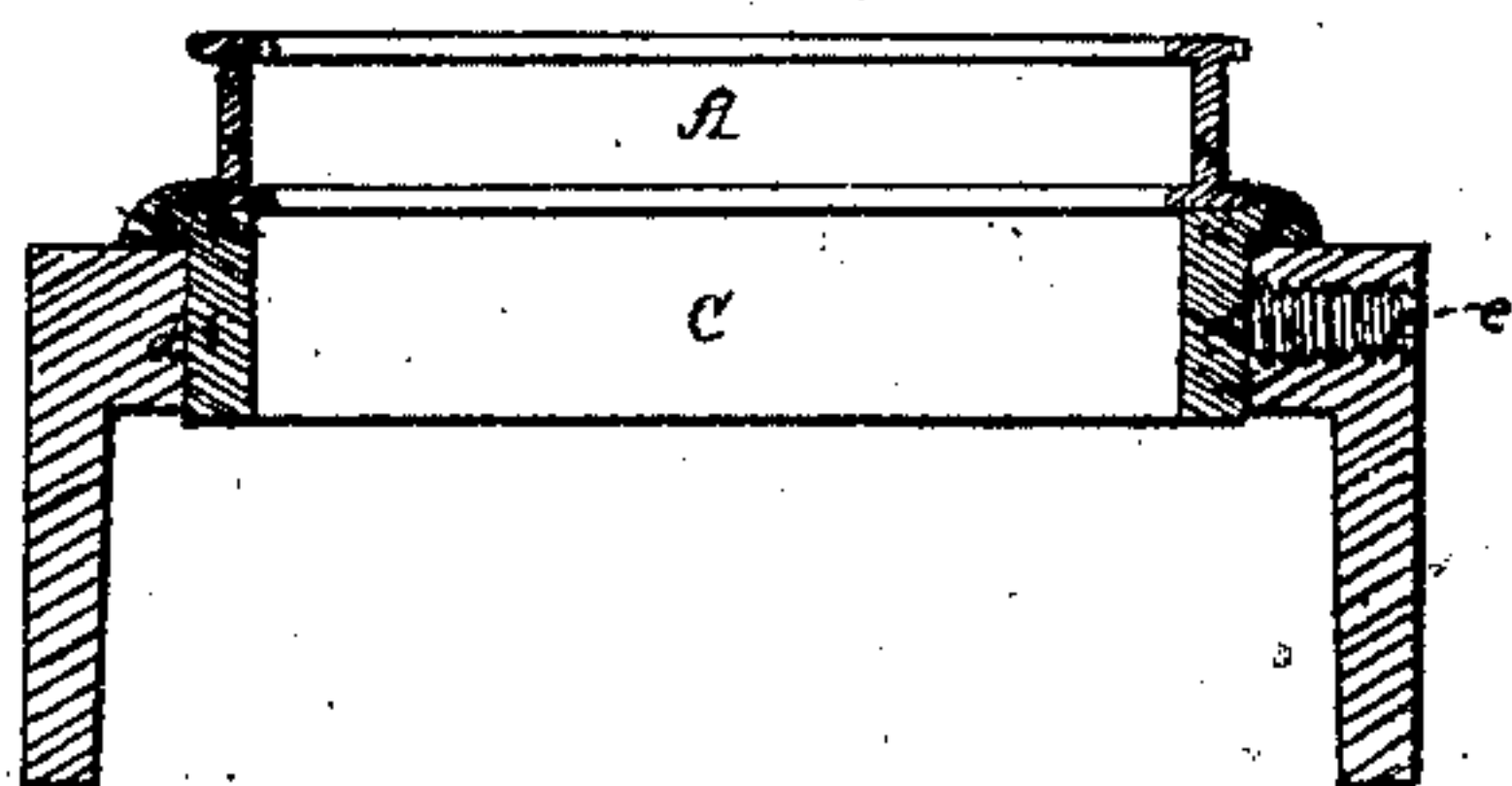
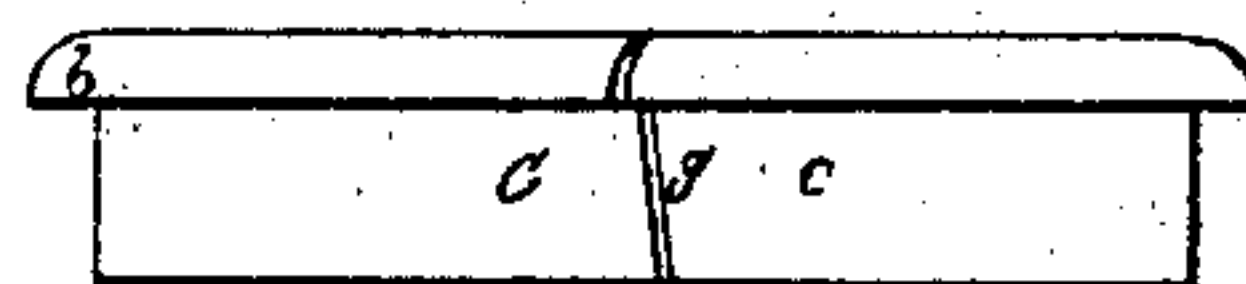


Fig. 4.



Witnesses

S. N. Piper
J. H. Snow

Geo. W. Knight.

by his attorney

R. W. Eddy

United States Patent Office.

GEORGE W. KNIGHT, OF HOPEDALE, MASSACHUSETTS, ASSIGNOR TO
GEORGE DRAPER & SON, OF SAME PLACE.

Letters Patent No. 108,270, dated October 11, 1870.

IMPROVEMENT IN HOLDERS OF SPINNING-RINGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all persons to whom these presents may come:

Be it known that I, GEORGE W. KNIGHT, of Hopedale, of the county of Worcester, of the State of Massachusetts, have invented a new and useful Improvement in the Ring-Carriers or Supporters of Ring and Traveler Spinning-Frames; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawing, of which—

Figure 1 is a top view, and

Figure 2, a transverse section of a ring, its elastic supporting-annulus, and ring-rail, the annulus being provided with my improvement.

The annulus or ring-supporter is what is termed a split ring—that is, a ring sawed or cut apart at one portion of its circumference—

Figure 3 being a top view, and

Figure 4 being a side elevation of the ring-supporter.

The ring-supporter C is formed with a rebate, *a*, to receive and encompass the base or lower portion of the ring A; and such supporter not only has a shoulder, *b*, to rest on the rail, but a shank, *c*, to enter the socket *d* of the said rail, a screw, *e*, screwed into the rail, and against the shank of the split ring or supporter C, serving to contract the supporter on the base of the ring, as well as to hold the supporter in its socket.

My improvement consists in arranging the cut or saw-kerf *g* of the supporter C obliquely to the circumference of such supporter, and with respect to the direction of the movement of the traveler on the ring, as shown in the drawing, such direction of motion being indicated by the arrow *f*.

The object of so arranging the split of the ring-supporter C obliquely to, instead of at right angles with, the circumference of such supporter is to pre-

vent such split or circumferential opening of the ring from gathering from the traveler, while the latter may be in rapid movement, filaments or fibers, so as to obstruct the proper operations of such traveler, as sometimes takes place when the split or cut of the ring-supporter is disposed radially or at right angles with the circumference of the supporter.

I herein make no claim to an annular spinning-ring supporter cut radially, as described, and for use with a spinning-traveler ring, and in a ring-rail, in manner as explained, and for the purpose of holding a ring and fastening it to its rail. Nor do I claim a spinning-ring supporter made with a tapering or conical shank, and with one or more cuts or kerfs extending from the top of the ring at right angles to its circumference, and down within a short distance of the bottom or lower edge of the shank, such a supporter, as I understand, having been the invention of William F. Draper, of Hopedale, aforesaid.

My improvement applies to the said ring-supporter of the said Draper, as each of the cuts of the contractile supporter may be disposed obliquely to the circumference, and so as to prevent them from gathering filaments or fibers carried around by and detached from the traveler when in operation.

What I claim as my invention is—

A spinning-ring supporter, made as described, with its peripheral cut or cuts arranged obliquely to the circumference of the supporter, and relatively to the direction of the motion of the traveler, substantially in manner and for the purpose as hereinbefore explained.

GEO. W. KNIGHT.

Witnesses:

E. D. BANCROFT,
W. S. BANCROFT.