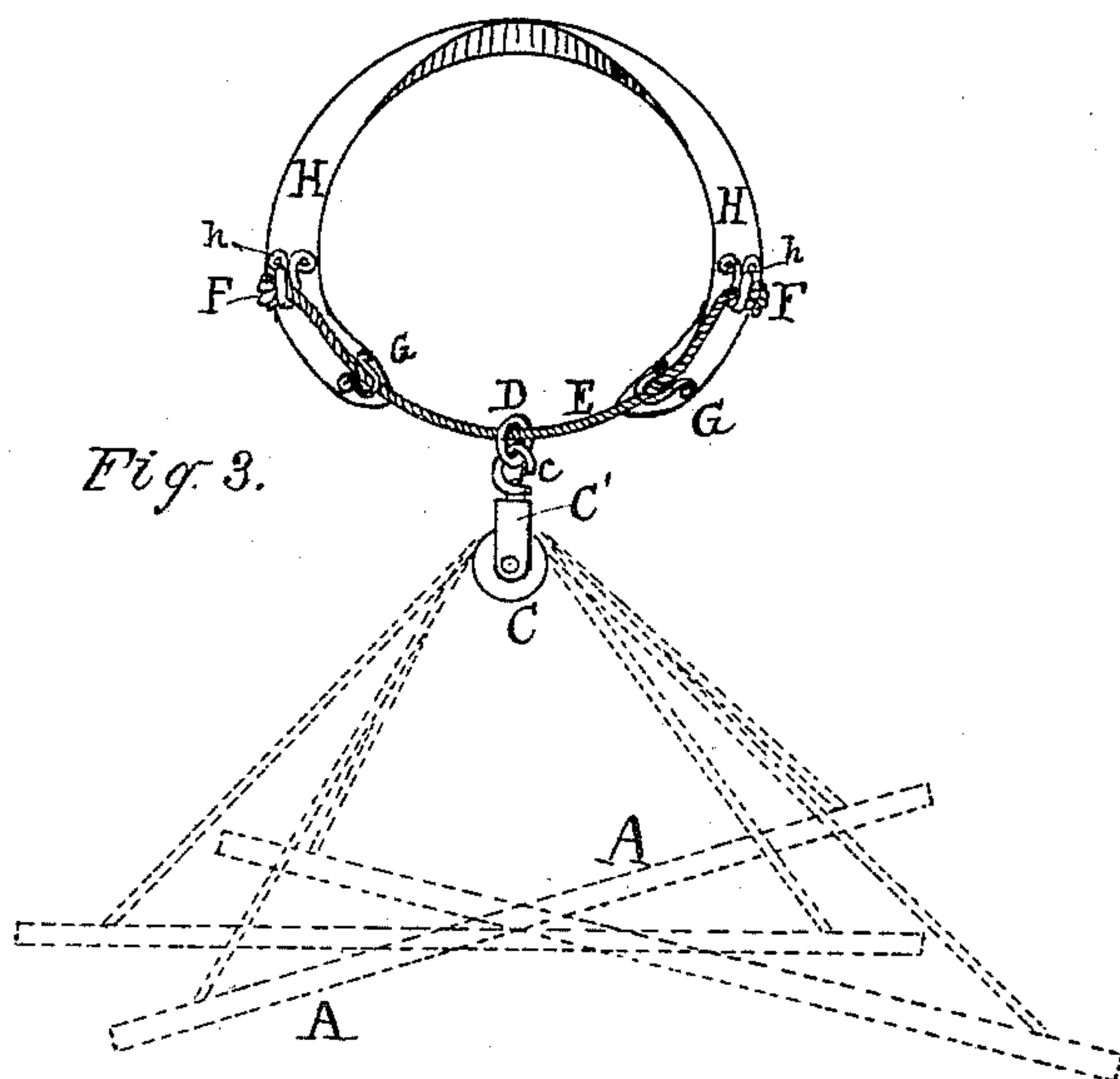
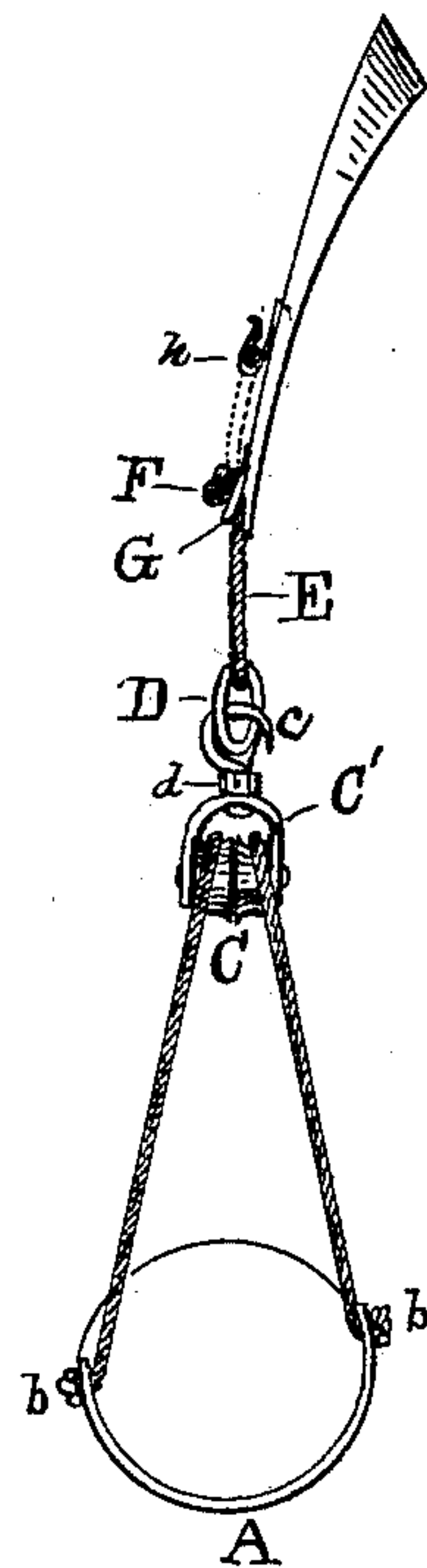
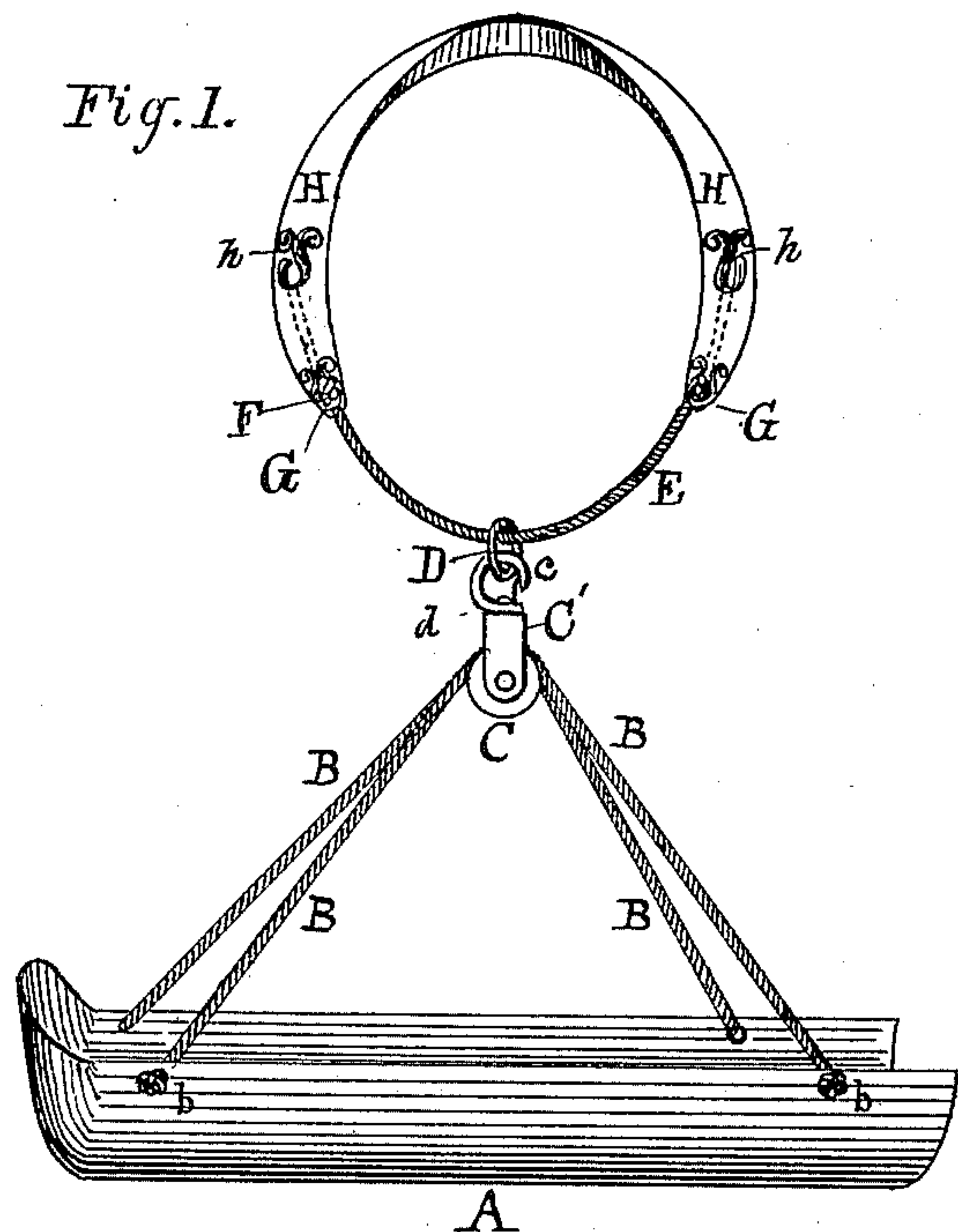


(No Model.)

W. W. GALT.
FRACTURE APPARATUS.

No. 339,160.

Patented Apr. 6, 1886.



Witnesses

John Lockie
J. L. Wildman

Inventor

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Atty

UNITED STATES PATENT OFFICE.

WILLIAM W. GALT, OF NORFOLK, VIRGINIA.

FRACTURE APPARATUS.

SPECIFICATION forming part of Letters Patent No. 339,160, dated April 6, 1886.

Application filed August 25, 1885. Serial No. 175,322. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. GALT, a citizen of the United States, residing at Norfolk, in the county of Norfolk and State of Virginia, have invented new and useful Improvements in Arm-Supporters, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in fracture implements for surgical cases, which will be hereinafter more fully described, and pointed out in the claim.

In the accompanying drawings, forming part of this specification, Figure 1 is a front view of the fracture implement. Fig. 2 is a side view of Fig. 1. Fig. 3 is a front view of the same, showing the suspending cord drawn up.

A is a rest, which may be made in any form to suit the limb which is to be supported. In the Figs. 1 and 2 it is like a trough, where an arm is to be supported, but can be made flat, as in Fig. 3, or in any other shape, and can be covered with cloth, felt, buckskin, chamois, or any other suitable material.

B B are two strong cords, which have their ends *b* fastened in any suitable manner near the ends of the rest A.

C is a pulley, single or double, in the adjustable sheave C', having a snap-hook, *c*. The sheave C' is fastened on the hook *c* by a swivel, *d*, to give greater play to the movement of the sheave.

D is a loose ring on the cord E, which has a knot, F, at each end of it.

G G are eyes or rings secured near the ends of a band or collar, H. This collar (shown in the drawings) is made to fit around the lower part of the neck to bring the weight fairly upon the shoulders, but small enough to be concealed by the waistcoat of a man or dress of a woman.

h h are two hooks fastened on the collar some distance above the eyes G G. The cords B B are fastened to the sides of the rest A after being passed over the pulley C, which is made wide enough on the periphery to accommodate both cords; or two pulleys may be used, as shown in Fig. 2. The arm-rest shown in

Fig. 1, with the cords and pulleys, can be detached from the collar at any time by the spring snap-hook *c*. The cord E has a knot, F, at each end, so large that it will not pass through the eyes G G or loops of the hooks *h h*. The object of this arrangement is to provide the means for lengthening or shortening the distance of the rest A from the collar or band. In Fig. 1 the cord E is full length. In Fig. 3 the cord E is fastened in the hooks *h h*. The dotted lines in Fig. 3 show the different positions which the limb can take by means of the arrangement of the cords B B with the pulley. The rest A being suspended by the cords B B at one point, and being free to roll over the pulley C, the limb can be traversed to and fro horizontally to any extent by means of the muscles in the upper arm, without disturbing the muscles in the forearm in any manner; also, the rest can be tilted at any angle. This arrangement is superior to the cumbersome sling, which must be put on over the coat, whereas by this arrangement no part of the collar or band is seen, as it is designed to fit snugly under the vest or coat. The advantage of this arrangement is seen when a limb is fractured and must be held stationary for a long time. The joints then will become stiff unless provision shall be made for an occasional movement at the joints. This is well accomplished by the suspension of the rest from the pulley, so that the horizontal movement, as above described, gives free play to the joint.

I claim—

In a fracture apparatus, the combination of a rest, cords supported by a pulley suspended to an adjustable cord, and the hooks and eyes fastened to a band, collar, or strap, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

WILLIAM W. GALT.

Witnesses:

I. L. JOHNSON,
WM. R. SINGLETON.