

(No Model.)

S. H. M. & F. G. SEIB.

PULLEY BLOCK.

No. 378,625.

Patented Feb. 28, 1888.

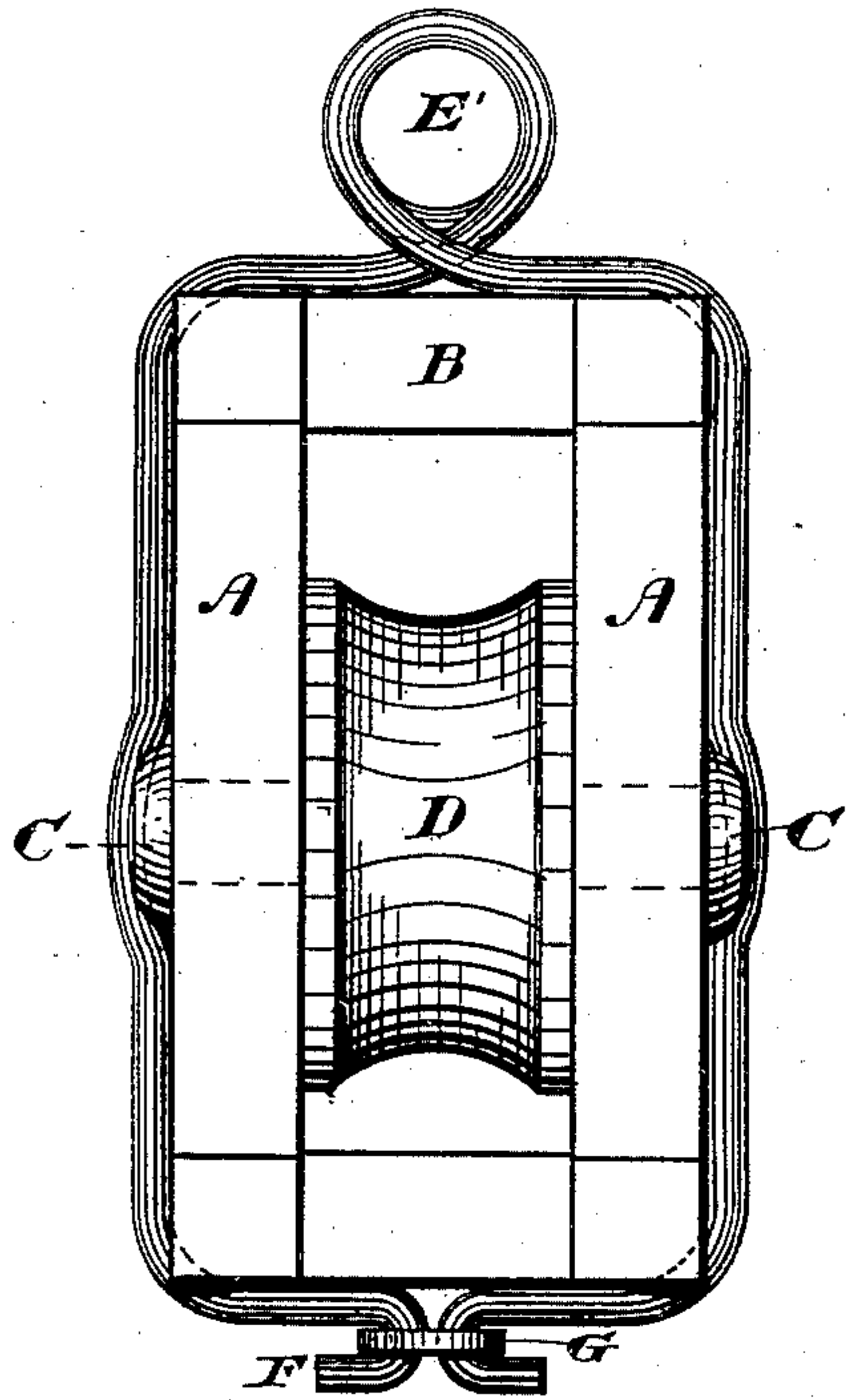


Fig. 1.

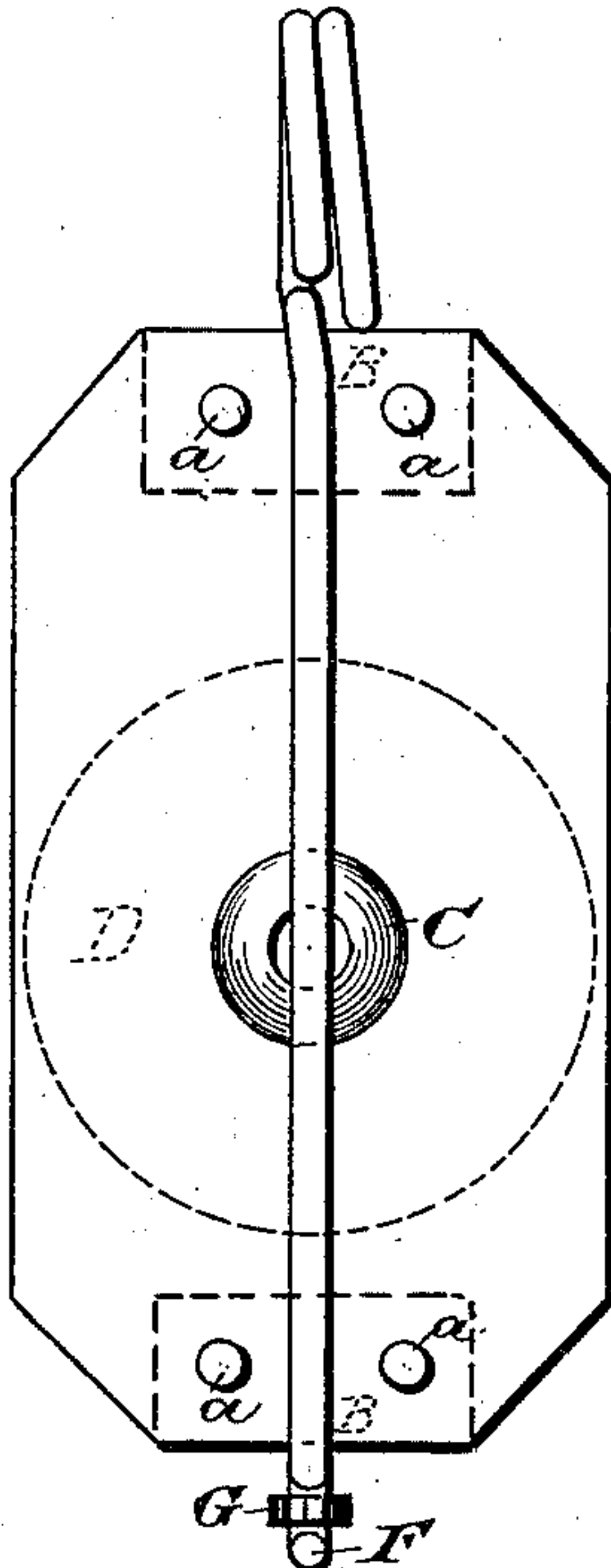


Fig. 2.

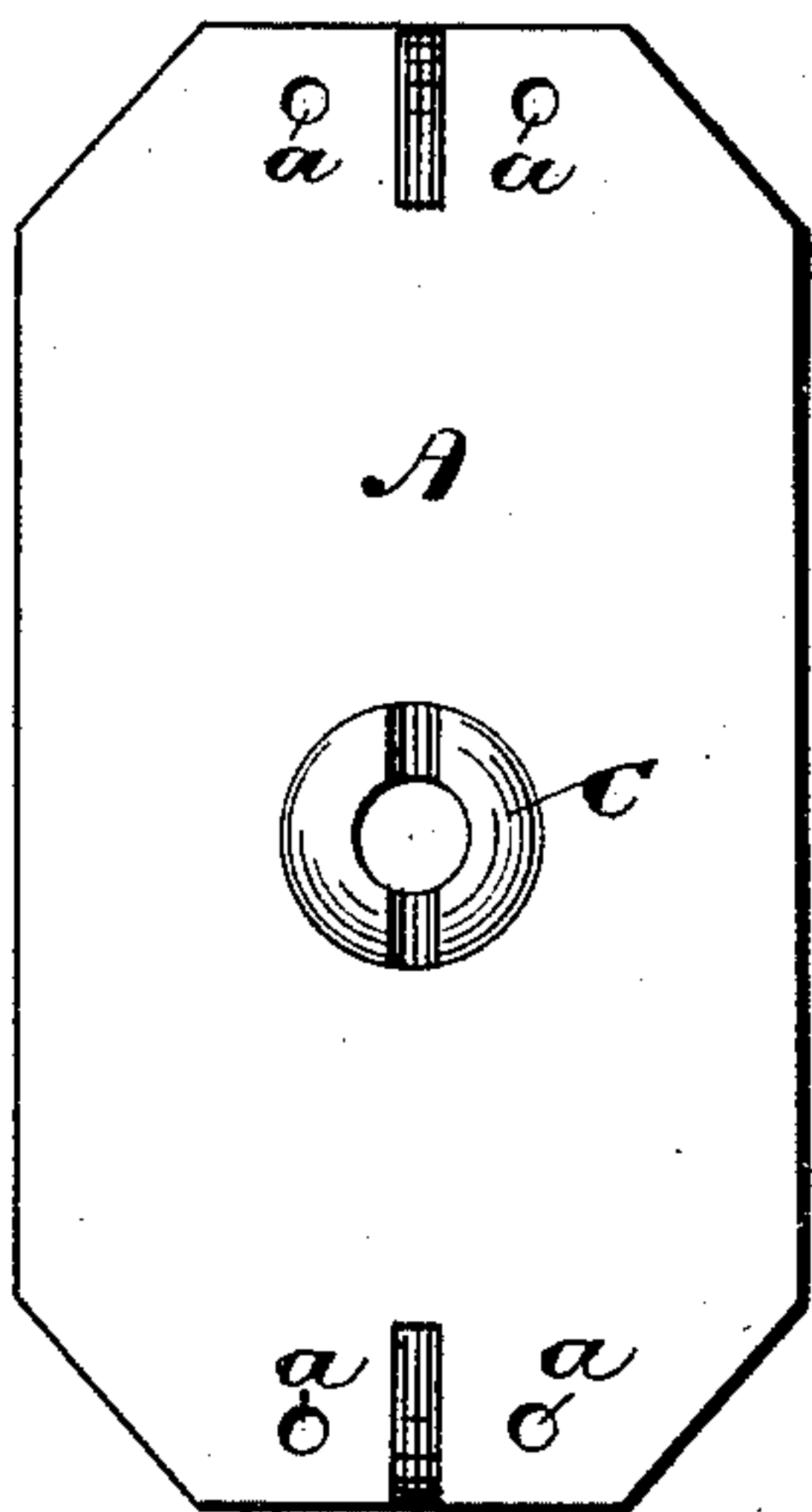


Fig. 3.

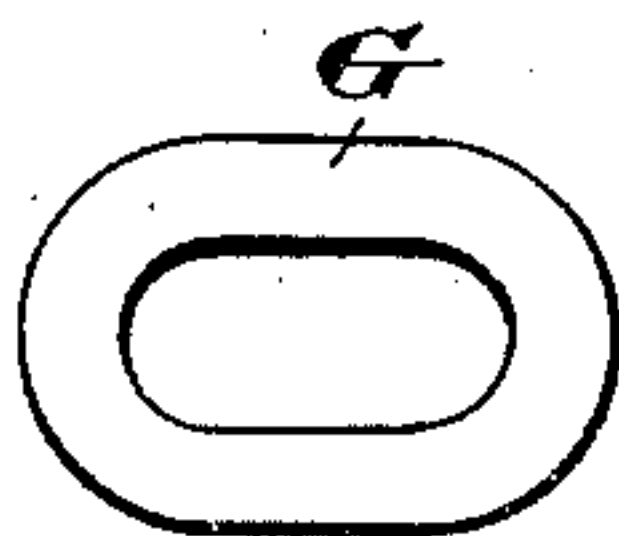


Fig. 7.



Fig. 6.

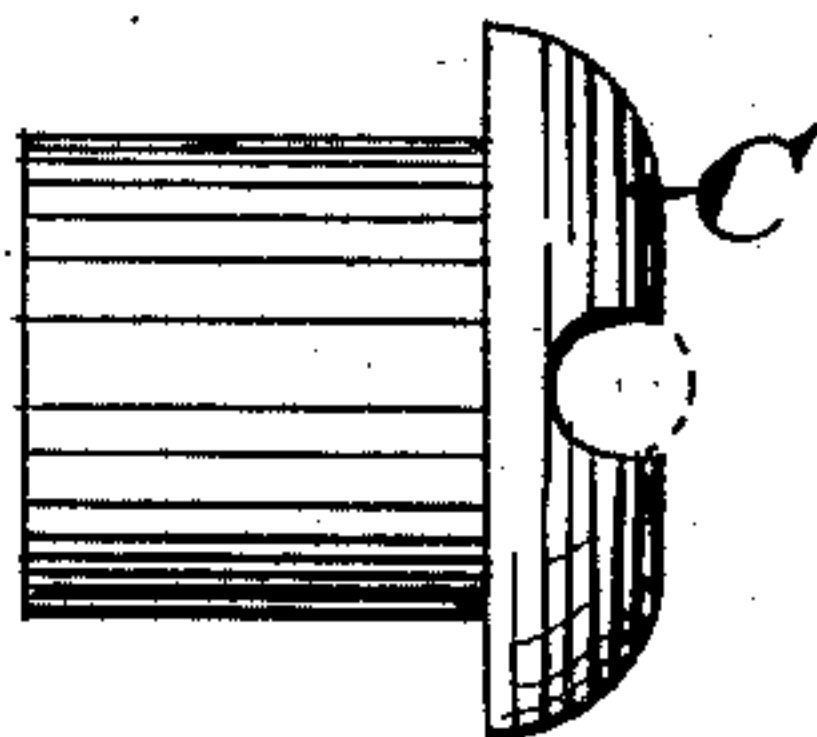


Fig. 4.

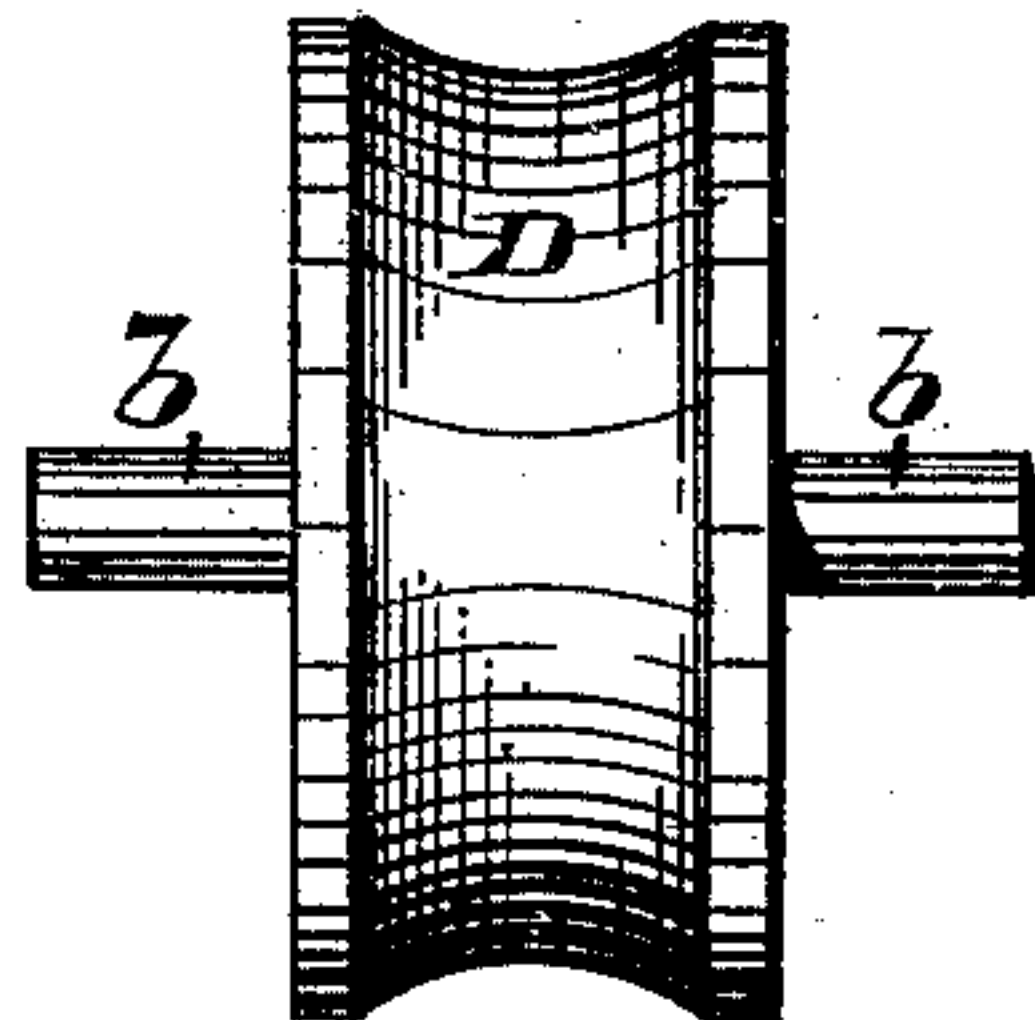


Fig. 5.

WITNESSES:

INVENTOR

Oscar A. Michel.
C. R. Bennett

Simon H.M. Seib,
Frederick G. Seib,

BY Orake & C. ATT'YS.

UNITED STATES PATENT OFFICE.

SIMON H. M. SEIB AND FREDERICK G. SEIB, OF NEWARK, NEW JERSEY.

PULLEY-BLOCK.

SPECIFICATION forming part of Letters Patent No. 378,625, dated February 28, 1888.

Application filed March 24, 1887. Serial No. 232,350. (No model.)

To all whom it may concern:

Be it known that we, SIMON H. M. SEIB and FREDERICK G. SEIB, citizens of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Pulley-Blocks; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates more particularly to certain improvements in the construction of pulley-blocks designed for light usage, such as for clothes-lines, &c.

It consists in a peculiar manner of binding the block together by a single wire or cable, securing the journal-bearings in place by means of said wire or cable, and also forming by the latter a ring or eye by which the block may be hung or suspended, the whole being cheaply constructed and securely bound together, as will be hereinafter set forth, and finally pointed out in the claims.

In the accompanying drawings, in which similar letters of reference indicate like parts in each of the several figures, Figure 1 represents a front elevation of our improved block; Fig. 2, a side elevation of the same, and Fig. 3 a side elevation of the block detached from its connections. Figs. 4, 5, 6, and 7 are detail views.

In said drawings, A represents the sides of the block, which are preferably made of wood and are secured to end pieces, B, by means of pins *a* or other suitable fastenings. In said sides A are inserted sockets or bearings C for the journals of the pulley D. Said sockets or bearings are illustrated in an enlarged view in Fig. 4, and are made with a flanged head to bear upon the outside surfaces of said sides, said head being notched or grooved crosswise to receive a binding wire or cable, E. Said wire or cable is bent spirally and formed into a double ring or eye, E', at one end of the block, and is then bent around the whole block without being twisted or tied at the point of departure from said double eye, the ends being bent to form hooks F, which are held together at the lower end of the block by a link, G, which is slipped over the cable before the ends are bent into hooks, the sub-

sequent bending of which firmly secures said wire or cable and binds the whole block firmly together, and also binds and holds the sockets C in position in the sides of the block, as will be understood by referring to Figs. 1 and 2. Said hooks may, however, be hooked one within the other and the link G dispensed with, if preferred, as will be manifest.

The double ring or eye E', formed in the wire or cable, as described, constitutes a ready and reliable means of attachment for the block, and any tension upon the same only tends to tighten the binding cable or wire upon said block. At the same time the spring action of the spiral double eye tends to hold the binding-wire closely against the block, so that should the block shrink it will not become loose.

The pulley-shaft, Fig. 6, is made square at the center of bearing and rounded at the ends *b* to fit into the bearings C, as will be understood.

Having thus described our invention, what we claim, and desire to secure by Letters Patent of the United States, is—

1. In a pulley-block, the combination, with the block and sheave thereof, of journal-bearings having recessed or grooved heads, and a binding-wire passing through said grooved heads and holding the same in place and binding the block together, as set forth.

2. In a pulley-block, the combination, with the sheave thereof, of a block composed of four parts, as A A and B B, journal-bearings having recessed or grooved heads, a single binding-wire formed into a ring or eye at one end of the block, passing around the block and through said recessed heads, and having its ends firmly united or bound together at the other end of the block, substantially as and for the purposes set forth.

3. In a pulley-block, the combination, with the block thereof, of a binding-wire having its ends formed into hooks, and a link engaging in holding relation with said hooks, substantially as and for the purposes set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 19th day of March, 1887.

SIMON H. M. SEIB.
FREDERICK G. SEIB.

Witnesses:

OLIVER DRAKE,
CONSTANCE H. BALDWIN.