

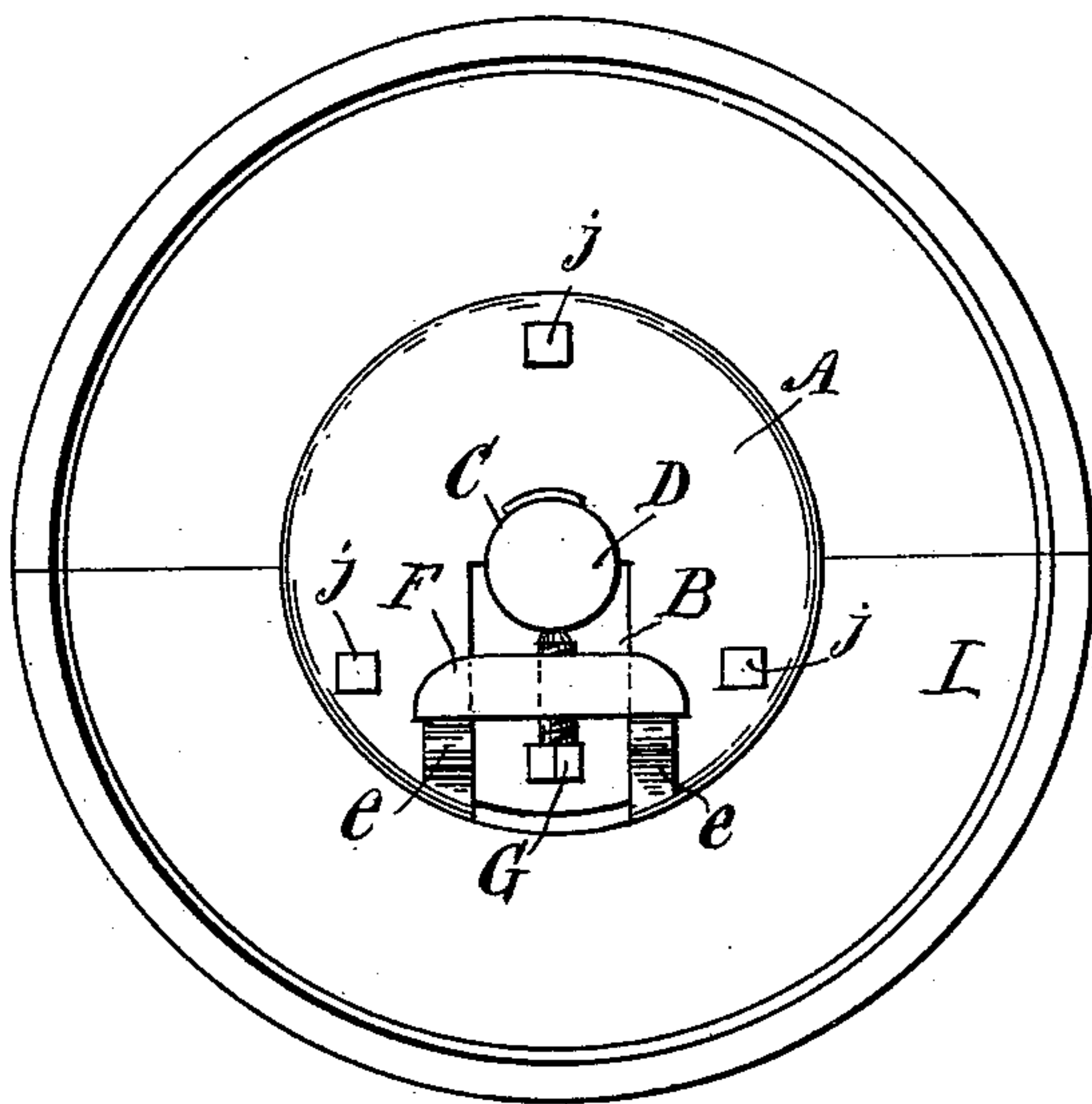
(No Model.)

M. O. & M. T. REEVES.  
HUB PLATE FOR WOODEN PULLEYS.

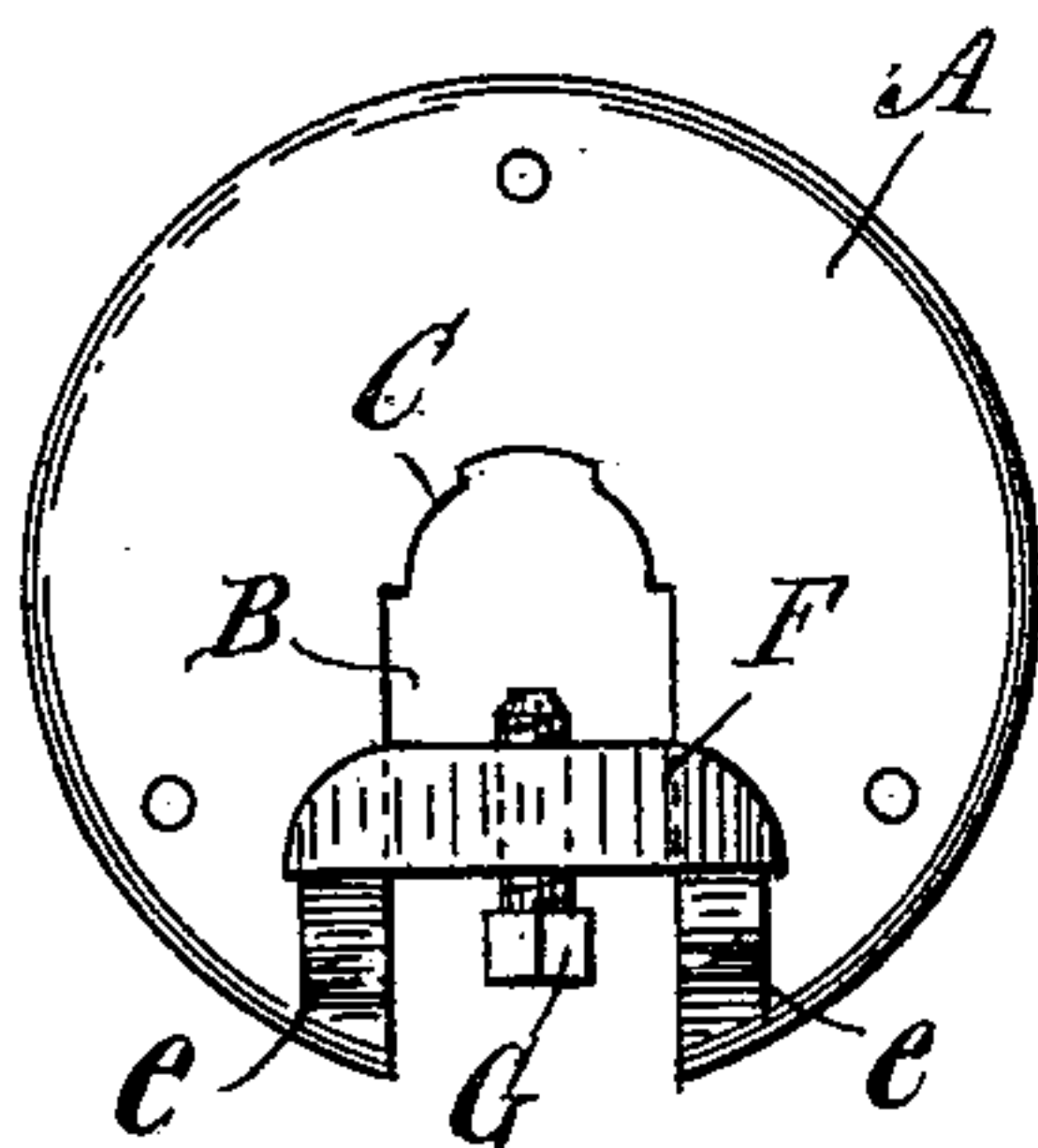
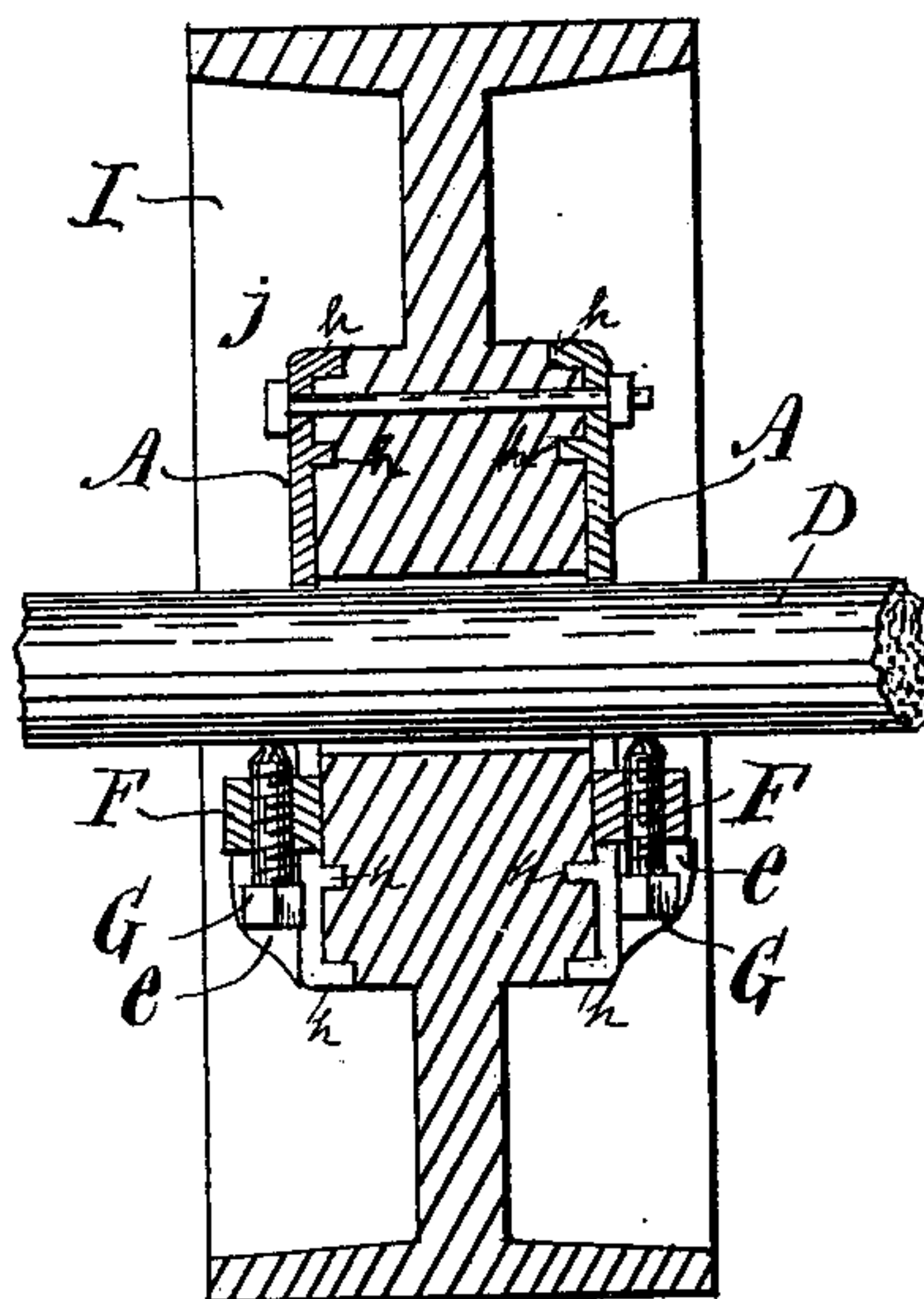
No. 403,860.

Patented May 21 1889.

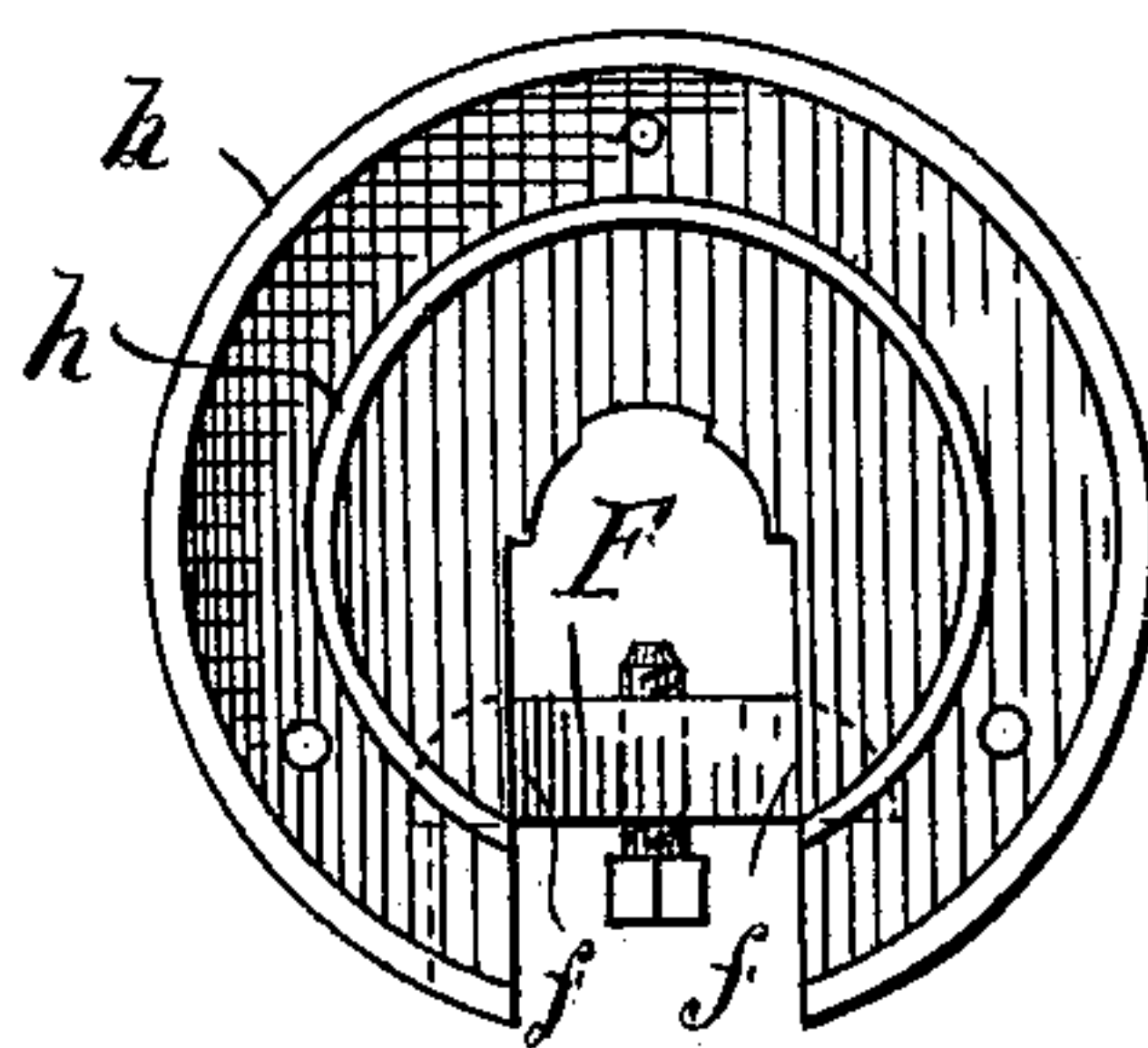
*Fig. 4.*



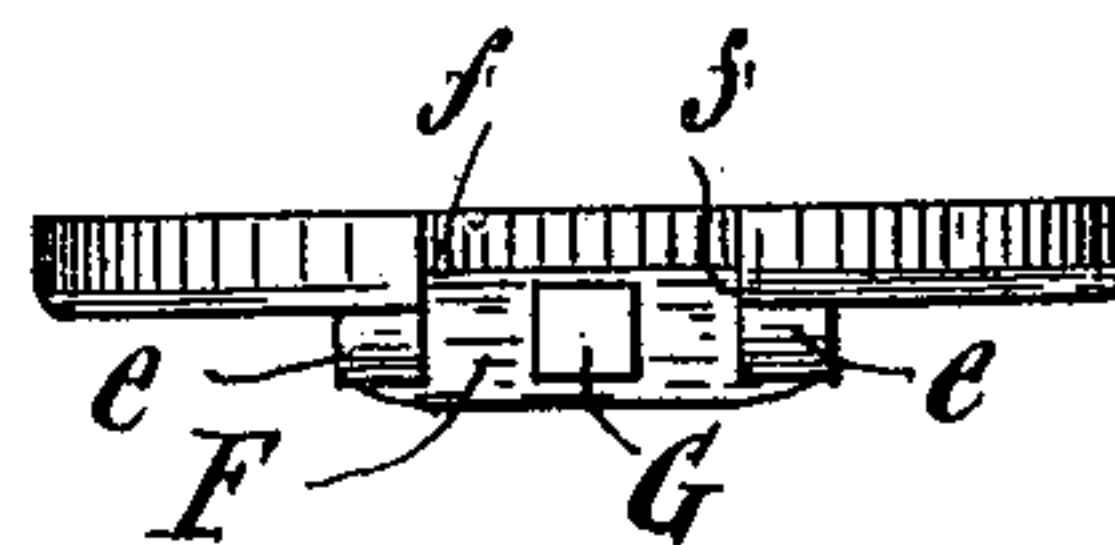
*Fig. 5.*



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

Witnesses

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# UNITED STATES PATENT OFFICE.

MILTON O. REEVES AND MARSHAL T. REEVES, OF COLUMBUS, INDIANA,  
ASSIGNORS TO THE REEVES PULLEY COMPANY, OF SAME PLACE.

## HUB-PLATE FOR WOODEN PULLEYS.

SPECIFICATION forming part of Letters Patent No. 403,860, dated May 21, 1889.

Application filed December 31, 1888. Serial No. 295,067. (No model.)

### *To all whom it may concern:*

Be it known that we, MILTON O. REEVES and MARSHAL T. REEVES, citizens of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented a new and useful Improvement in Hub-Plates for Wooden Pulleys, of which the following is a specification.

Our invention relates to an improvement in metallic plates for the ends of the hubs of wooden pulleys similar to those shown in our pending application for a patent, No. 291,751.

The object of our present improvement is to simplify the construction of the plates, as hereinafter fully described.

The accompanying drawings illustrate our invention.

Figure 1 represents a side elevation of our improved hub-plate. Fig. 2 is an elevation of the reverse side. Fig. 3 is a plan. Fig. 4 represents a side elevation showing the plate in position on a pulley and shaft. Fig. 5 represents a section of the same at *a*, Fig. 3.

A is a circular metallic plate, having a radial slot, B, which ends at the center of the plate in a semicircular bearing, C, adapted to receive one side of the shaft D. On the outer face of plate A, near its periphery, are a pair of outwardly-projecting lugs, *e e*, arranged in line on opposite sides of the slot B.

F is a metallic bar arranged to rest against the lugs *e*, and having shoulders *f f*, which engage the edges of slot B.

G is a set-screw mounted in bar F and arranged to engage the shaft. Plate A is provided on its reverse side with one or more annular flanges, *h h*, which fit into the end of the wooden hub of the pulley I and hold the plate central therewith.

Two of the plates A are used with each pul-

ley, one being secured to each end of the hub, preferably by bolts *j j j*, passing through the plates and the hub. They are intended more particularly for use on split pulleys, but may also be used on whole pulleys.

In operation, in the case of a split pulley, the two sections of the pulley are put in position on the shaft. The plates A are then secured to the ends of the hub of the pulley, which then may be easily slipped along or turned on the shaft. To secure the pulley on the shaft, bars F are put into position in slots B against the lugs *e e*, and the set-screws G turned in against the shaft, thus clamping the pulley securely thereto.

If desired, instead of using the set-screw, a keyway may be cut in the under side of bar F, and a key be driven therein between the bar and the shaft.

We claim as our invention—

The combination, in a pulley, of a pair of metallic plates secured to opposite ends of the hub of the pulley, each of said plates having a central bearing adapted to fit one side of the shaft, a radial slot extending from said bearing to the periphery of the plate, a pair of lugs projecting from the outer side of the plate on opposite sides of said slot, a bar adapted to slide in said slot and arranged to engage said lugs, and means for forcing the bar against the lugs by pressure against the shaft mounted in the bar, whereby the pulley is secured to the shaft, substantially as specified.

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Witnesses:

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