

(No Model.)

F. EITAPENC.

LEAD PIPE REEL.

No. 355,515.

Patented Jan. 4, 1887.

Fig. 1.

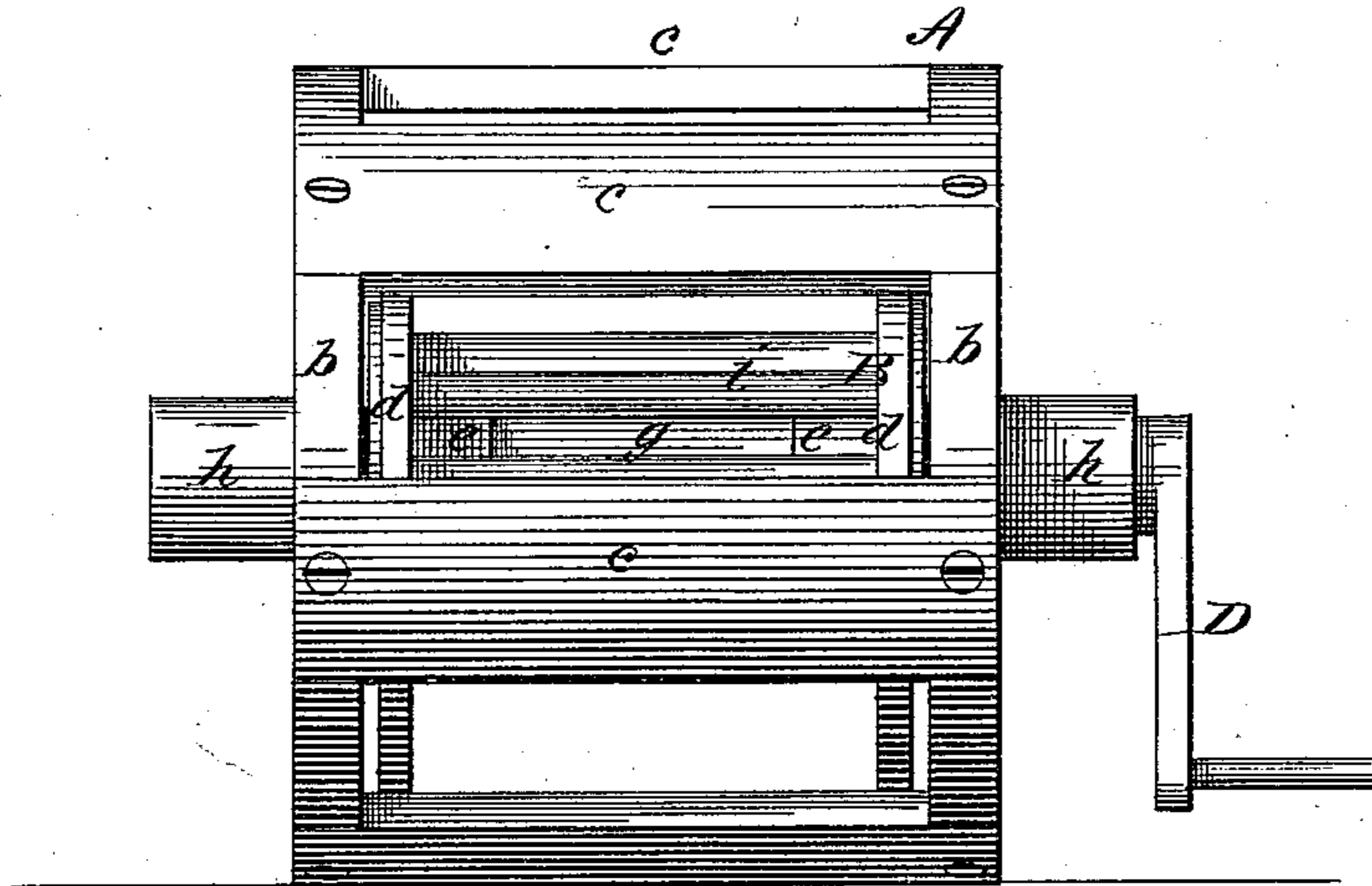


Fig. 2.

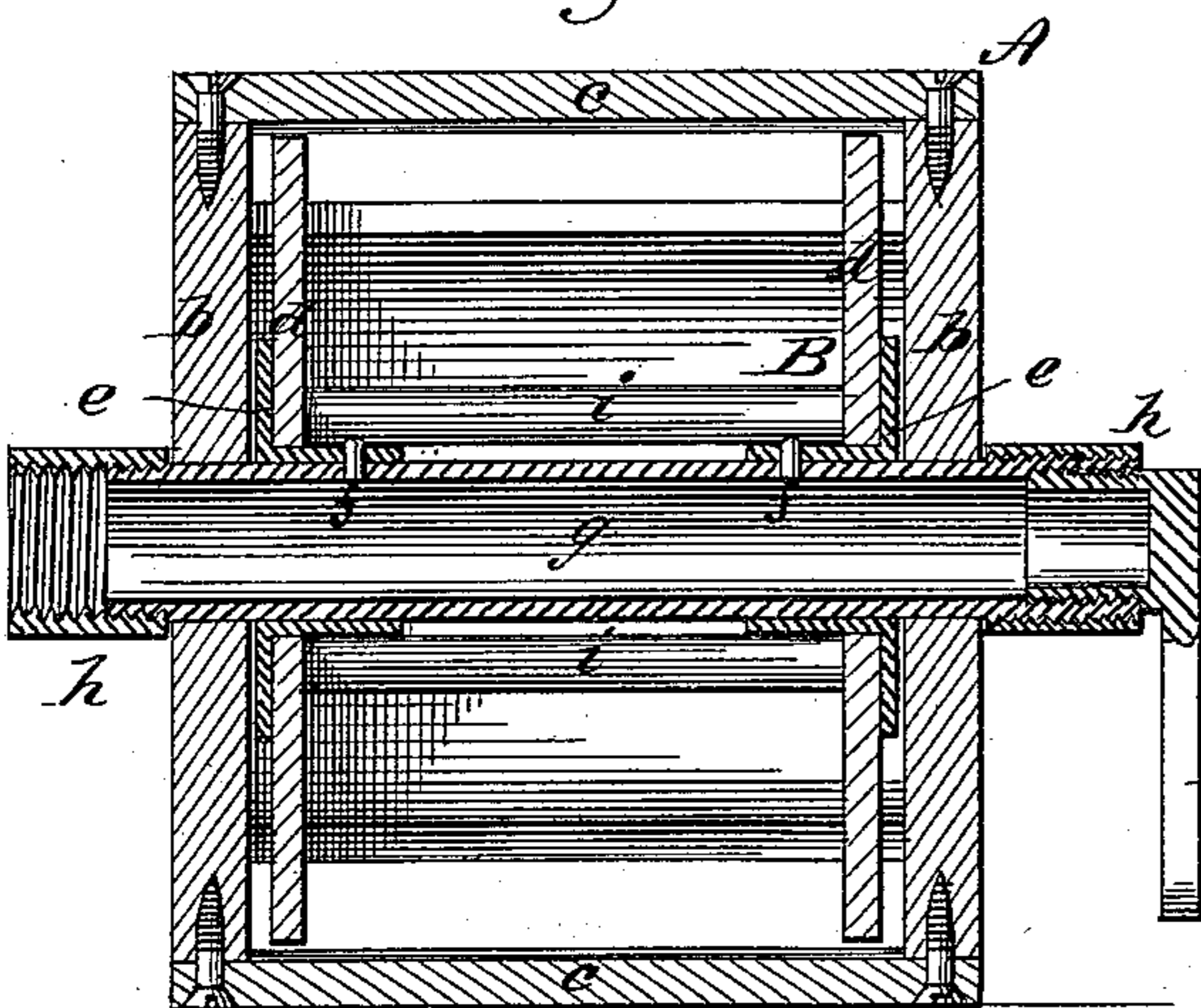
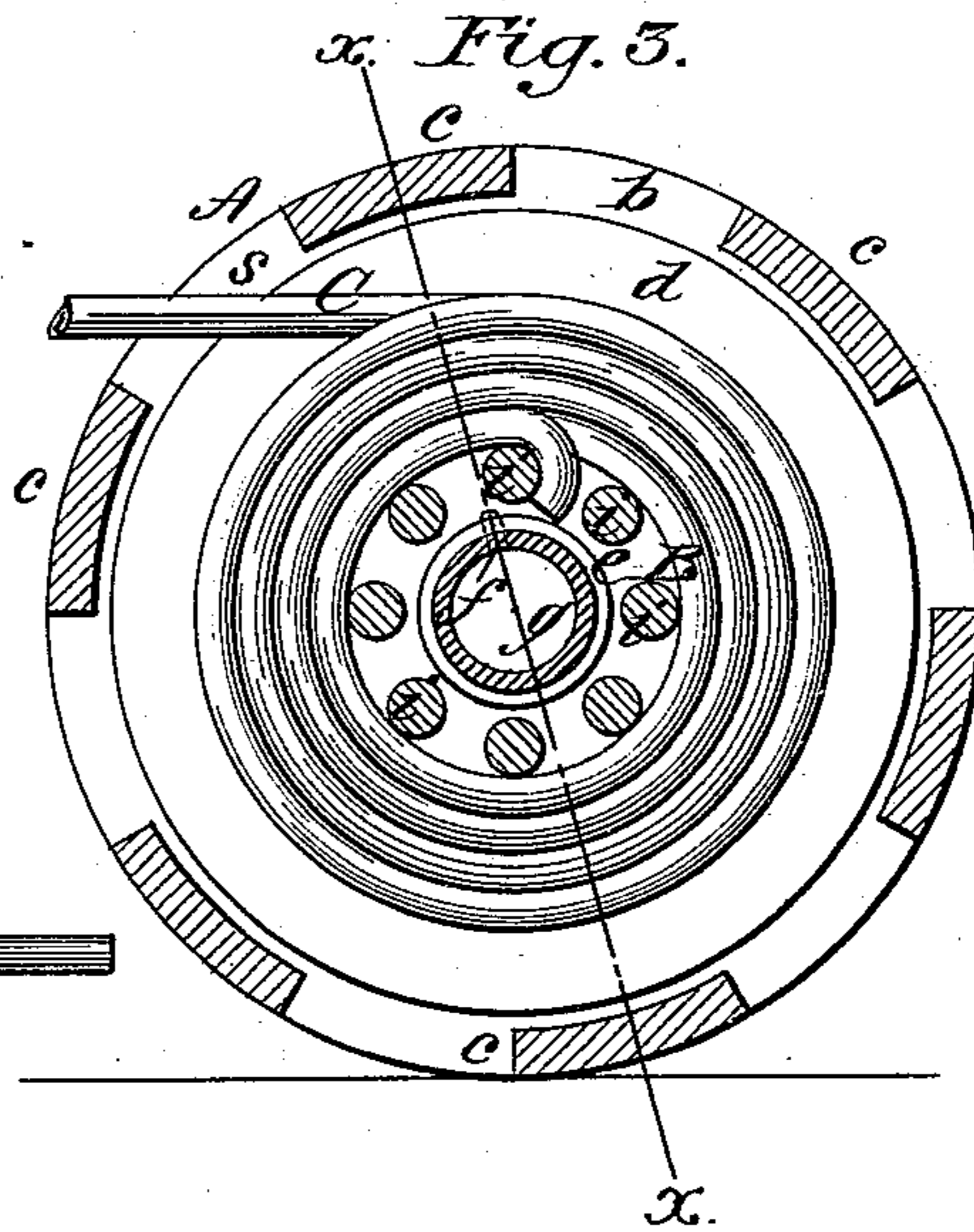


Fig. 3.



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LEAD-PIPE REEL.

SPECIFICATION forming part of Letters Patent No. 355,515, dated January 4, 1887.

Application filed September 15, 1886. Serial No. 213,582. (No model.)

To all whom it may concern:

Be it known that I, FRED. EITAPENC, of Binghamton, Broome county, and State of New York, have invented a new and useful Improvement in Devices for Reeling and Unreeling Lead Pipe, of which the following is a full, clear, and exact description.

Heretofore it has been customary for manufacturers to put up lead pipe on reels without an inclosing-case, the heads of the reels being connected by slats, which it was necessary to knock off before the pipe could be unreeled to measure off and dispose of it to customers, and also necessary to elevate the reel by passing a bar through its hollow shaft or body, and to support said bar on boxes or other supports to admit of the turning of the reel. Like difficulties also attended the putting up of the pipe on the reel, although when the reel was loaded with pipe the labor and inconvenience were much greater. While the reel, therefore, is in some respects a convenient means for shipping and dispensing lead pipe, it is very objectionable in the respects named, mainly because of the separate putting on and taking off of the slats and the great weight of the pipe on the reel, and the necessary dismemberment of the reels speedily destroyed them.

My invention obviates these defects; and it consists in a novel construction and combination of parts in the reel, which is provided with an outer rolling-case, substantially as hereinafter described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a front view of the reel having an inclosing-case embodying my invention; Fig. 2, a section of the same upon the line *xx* in Fig. 3, which is a transverse section of the reel and case.

A indicates an outer reel-case, of circular form, adapted to roll over the ground, and which is made up of opposite ends or heads *b* and slats *c*, connecting them.

B is the reel proper, arranged within the case and having the same axial center as the case A. Said reel consists in part of opposite heads *d d*, mounted on flanged metal sockets

or sleeves *e e*, which are secured by screws or pins *f f* to or on the hollow metal shaft *g* of the reel, to hold said heads at their proper distance apart and to prevent straining or racking of the reel. Screw-sleeves *h h* on the outer ends of the shaft *g* keep the reel in proper longitudinal position within the case to avoid friction.

Arranged closely around the shaft *g*, at suitable distances apart from each other, are a series of bars, *i*, which connect the heads *a a* together, and which also serve to engage the entering end of the lead pipe C with the reel, when or before coiling the pipe, by bending said end and entering the same between any two of the bars *i*, as shown in Fig. 3. A removable crank or handle, D, is fitted into the end of the shaft *g* to coil the pipe on the reel. This handle may be removed when shipping the whole device with its load of pipe, and the hollow shaft *g* serves to admit of an iron bar being inserted through it, or being inserted into either end to steady and guide the whole device when moving the same about and when loading it on or removing it from a truck, the case A and not the reel proper forming the rolling-surface. By this construction there will be no necessity to raise the reel from the ground in order to coil the lead pipe on it or to pay off said pipe from it, nor yet to remove the slats *c*, as the pipe may readily be passed at any convenient point between two adjacent slats or other side opening in the stationary case A, and said case be kept from turning or moving when coiling the pipe on or uncoiling it from the reel by scotching the case A with a block of wood, a stone, or other stop. The lead-pipe may then be drawn out from the reel through one of the openings *s* between the slats or in the side of the case A, and the reel be turned without removing the slats. Thus not only is greater convenience afforded in coiling and uncoiling the lead pipe and much labor saved, but the reel is rendered more durable by not having to knock off the slats to pay out the coil from the reel, and the whole is so fitted that it may be readily taken apart when required.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device for reeling and unreeling
lead pipe, the combination of the circular case
A, adapted to roll over the ground and pro-
vided with any number of side openings, *s*, the
5 reel B, provided with an inner circular series
of bars, *i*, between its heads or ends, and the
hollow shaft *g*, carrying said reel and having
its bearings in the ends or heads of the case,
substantially as and for the purposes specified.
10 2. The combination, with the case A, hollow
shaft *g*, and reel heads *d d*, with their connect-

ing inner circular series of bars, *i*, of the flanged
sockets *e e*, united with the shaft, whereby the
reel-heads are held at their proper distance
apart and the reel is stiffened and strength- 15
ened at its junction with the shaft, essentially
as shown and described.

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Witnesses:

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