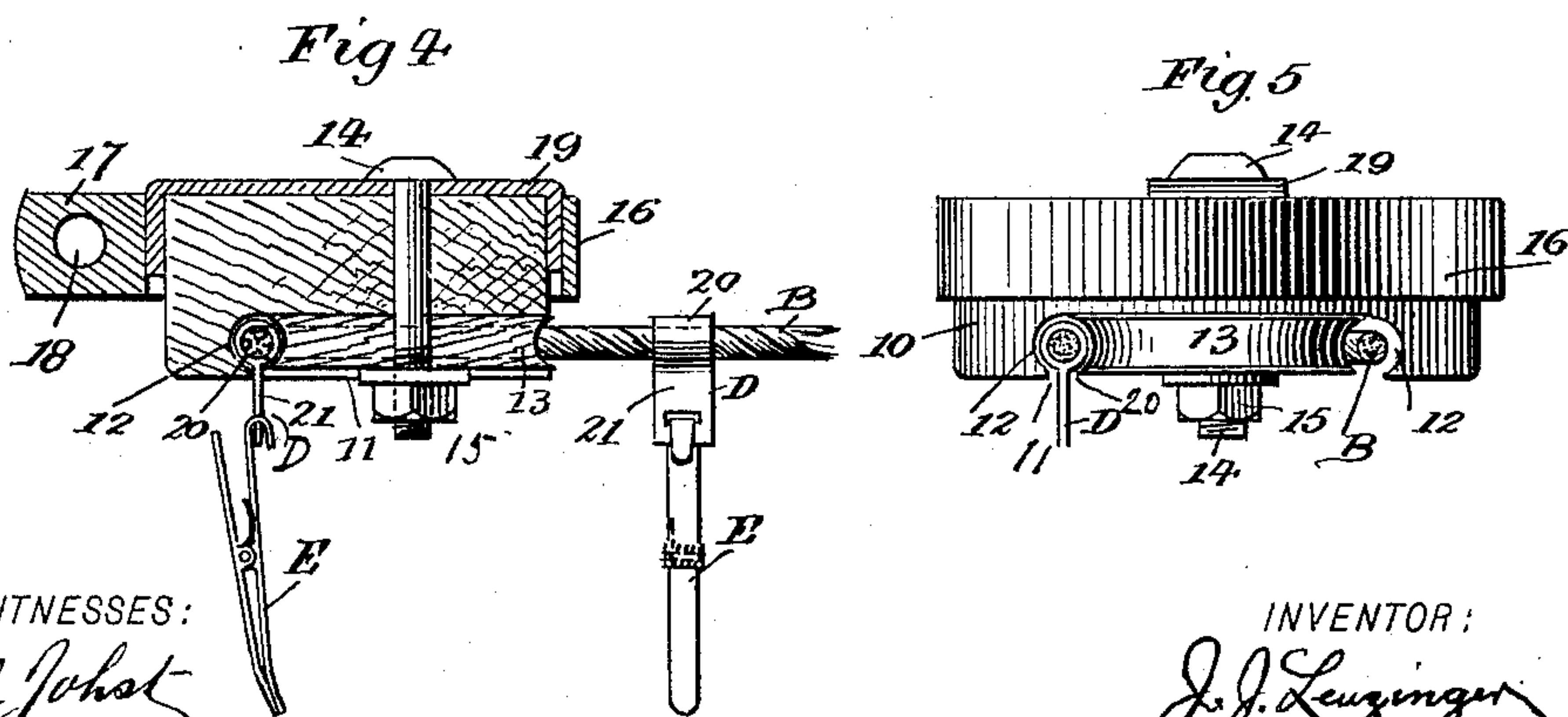
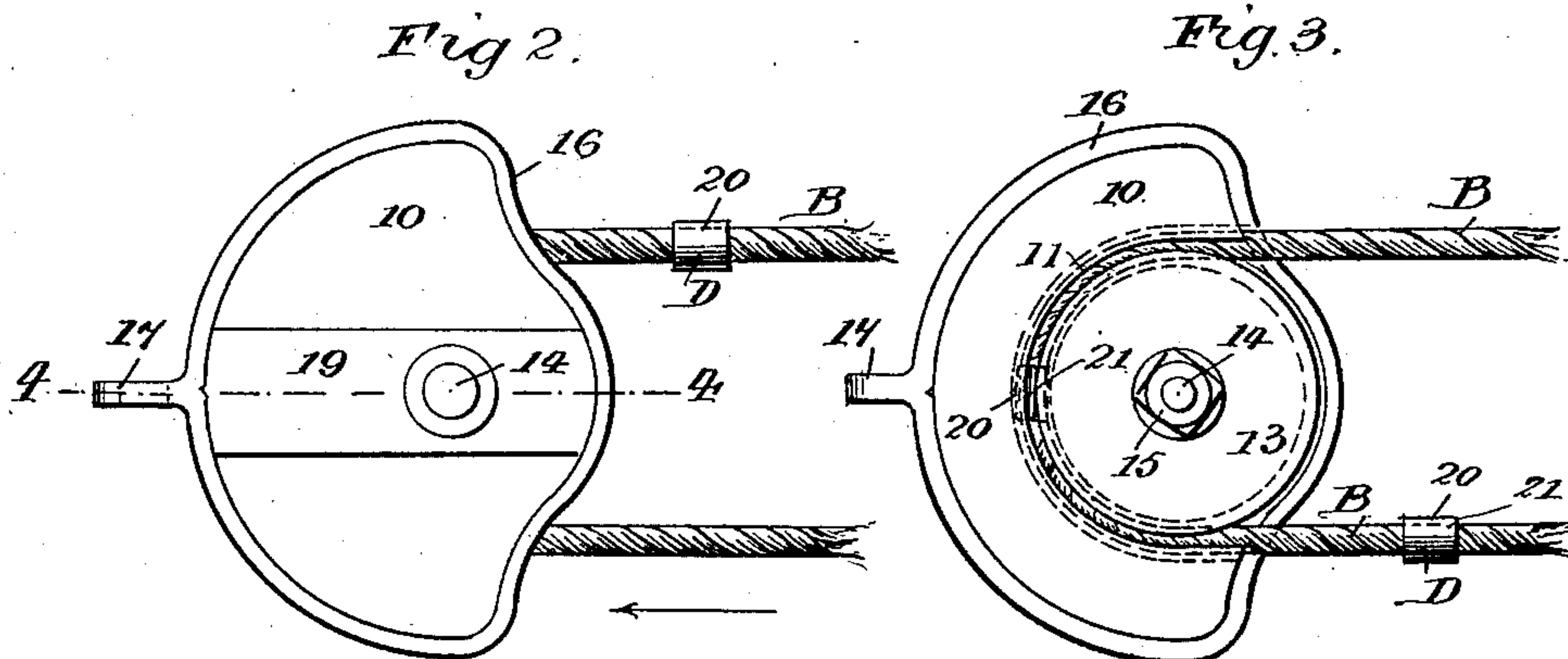
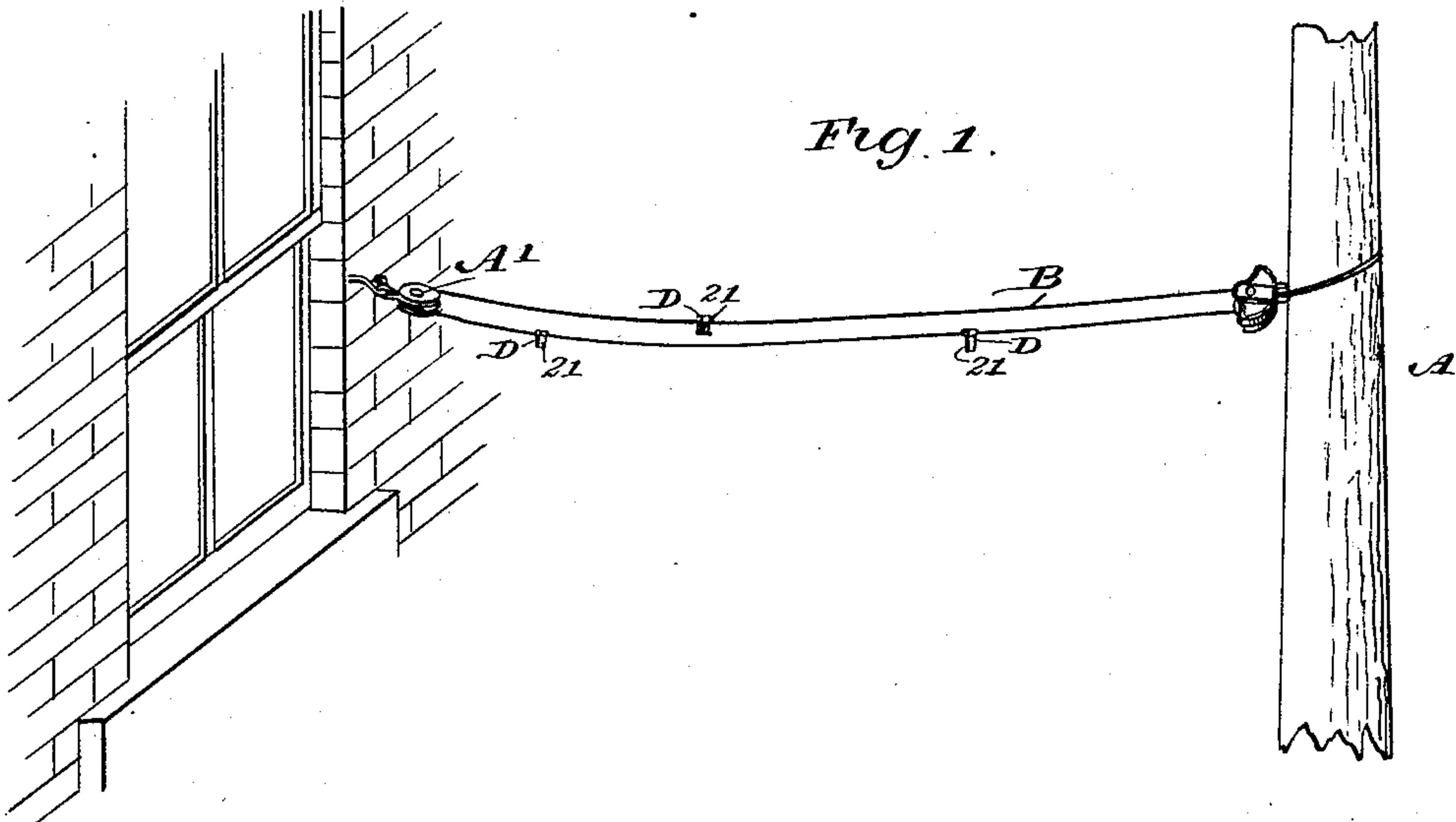


(No Model.)

J. J. LEUZINGER.
CLOTHES LINE PULLEY.

No. 452,226.

Patented May 12, 1891.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN JAKOB LEUZINGER, OF WEST NEW BRIGHTON, NEW YORK.

CLOTHES-LINE PULLEY.

SPECIFICATION forming part of Letters Patent No. 452,226, dated May 12, 1891.

Application filed January 15, 1891. Serial No. 377,803. (No model.)

To all whom it may concern:

Be it known that I, JOHN JAKOB LEUZINGER, of West New Brighton, in the county of Richmond and State of New York, have
5 invented a new and Improved Clothes-Line Pulley, of which the following is a full, clear, and exact description.

My invention relates to an improved clothes-line pulley, and has for its object to provide
10 a device of simple and durable construction around which a line may freely pass even when the clothes are attached thereto, and also to provide a means for attaching the clothes to the line.

15 The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a view illustrating the application of the device. Fig. 2 is a plan view of the pulley. Fig. 3 is a bottom plan view of the same. Fig. 4 is a section taken on the line
25 4 4 of Fig. 2, and Fig. 5 is an edge view looking in the direction of the arrow in Fig. 2.

30 In carrying out the invention a block 10 is employed, which may be of any desired contour. Preferably, however, the block is made essentially semicircular. In the under face of the block a semicircular recess 11 is produced, the side walls of which recess are concave, as illustrated at 12 in Figs. 4 and 5. The semicircular recess 11 extends through
35 one edge of the block 10, and in the recess a peripherally-grooved pulley 13 is pivoted. The pivot of the pulley usually consists of a bolt 14, which passes downward through the block and pulley, the head of the bolt being located at the upper face of the block and the lower end being provided with a suitable washer
40 and a nut 15.

45 The pulley 13 is of slightly less diameter than the diameter of the recess 11, whereby a space is left between the peripheral surface of the pulley at its sides and the upper and
50 lower edges of the concaved walls of the recess.

The block is usually laterally surrounded by a metal band 16, which band is provided at the cylindrical edge surface of the block, at or near the center thereof, with a lug or
55 ear 17, which may be made integral with the band or may be attached thereto, said lug or ear being provided with an eye or aperture 18, and the block 10 is ordinarily diametrically strengthened by means of a metal strap 19, 60 which crosses its upper face at or near the center and is bent downward between the edges of the block and its marginal band 16. When the stay-strap 19 is employed, the pivot-bolt 14 of the grooved wheel is made to pass
65 through the strap, as illustrated in the drawings.

The device is attached to a support—as, for instance, a pole A, as shown in Fig. 1—which attachment is effected in any suitable or ap-
70 proved manner, the pulley being upon the under side of the device, and to an opposite support an ordinary pulley-block A' is attached. The clothes-line B is made to pass around the pulley-wheel of the block A' and
75 around the wheel 13 of the device, the space between the concave peripheral surface of the wheel and the concave walls 12 of the recess in which the wheel turns being of sufficient width to accommodate the rope. 80

Upon the rope or line B any desired number of hangers D are secured, which hangers consist, preferably, of a tubular head 20, which head is clamped upon the rope either tightly or loosely, as the operator may desire, and a
85 shank 21, which projects vertically downward from the head, the said shank having preferably formed therein a slot or opening. The clothes are attached to the line through the medium of any approved form of clamping
90 device—as, for instance, a spring clothes-pin E, as illustrated in Fig. 4—the said clothes-pin or clamping device having one member bent over upon itself to form a hook, which is passed through the opening of a hanger. 95

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

1. As an improved article of manufacture, a clothes-line pulley consisting of a block 100 having a semicircular recess produced in one face, the walls of which are concaved, and a

peripherally-grooved pulley journaled in the said recess, of slightly less diameter than the recess, substantially as and for the purpose specified.

5 2. A clothes-line pulley consisting of a block provided with a semicircular recess in one face extending through one edge and having concaved side walls, a peripherally-grooved pulley journaled in the recess, of slightly less
10 diameter than the recess, and a band surrounding the periphery of the block and provided with a suspension device for the block, substantially as and for the purpose set forth.

15 3. The combination, with a block provided with an essentially semicircular recess in one face extending through one edge and having

concaved side walls, of a grooved pulley journaled in the said recess, of less diameter than the recess, and hangers adapted for attachment to the clothes-line, each consisting of a
20 tubular head and a shank projected from the head, said head being adapted to pass with the line between the peripheral groove of the pulley and the concaved wall of the block-recess and the shank to project downward from the
25 head below the recessed face of the block, as and for the purpose set forth.

JOHN JAKOB LEUZINGER.

Witnesses:

E. M. CLARK,
C. SEDGWICK.