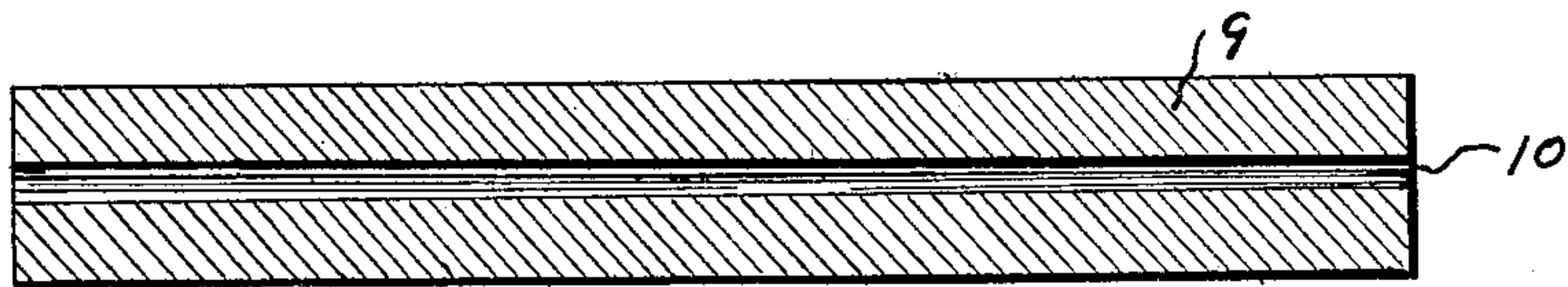
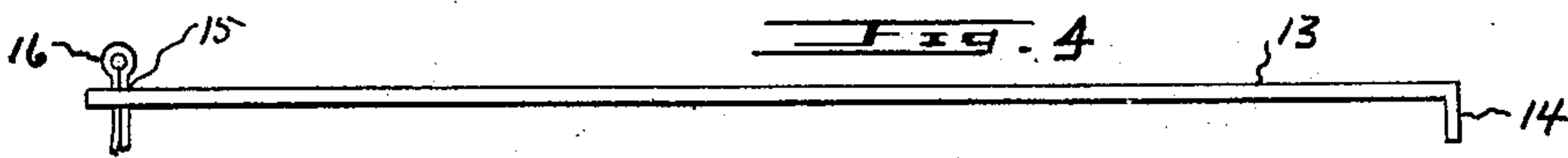
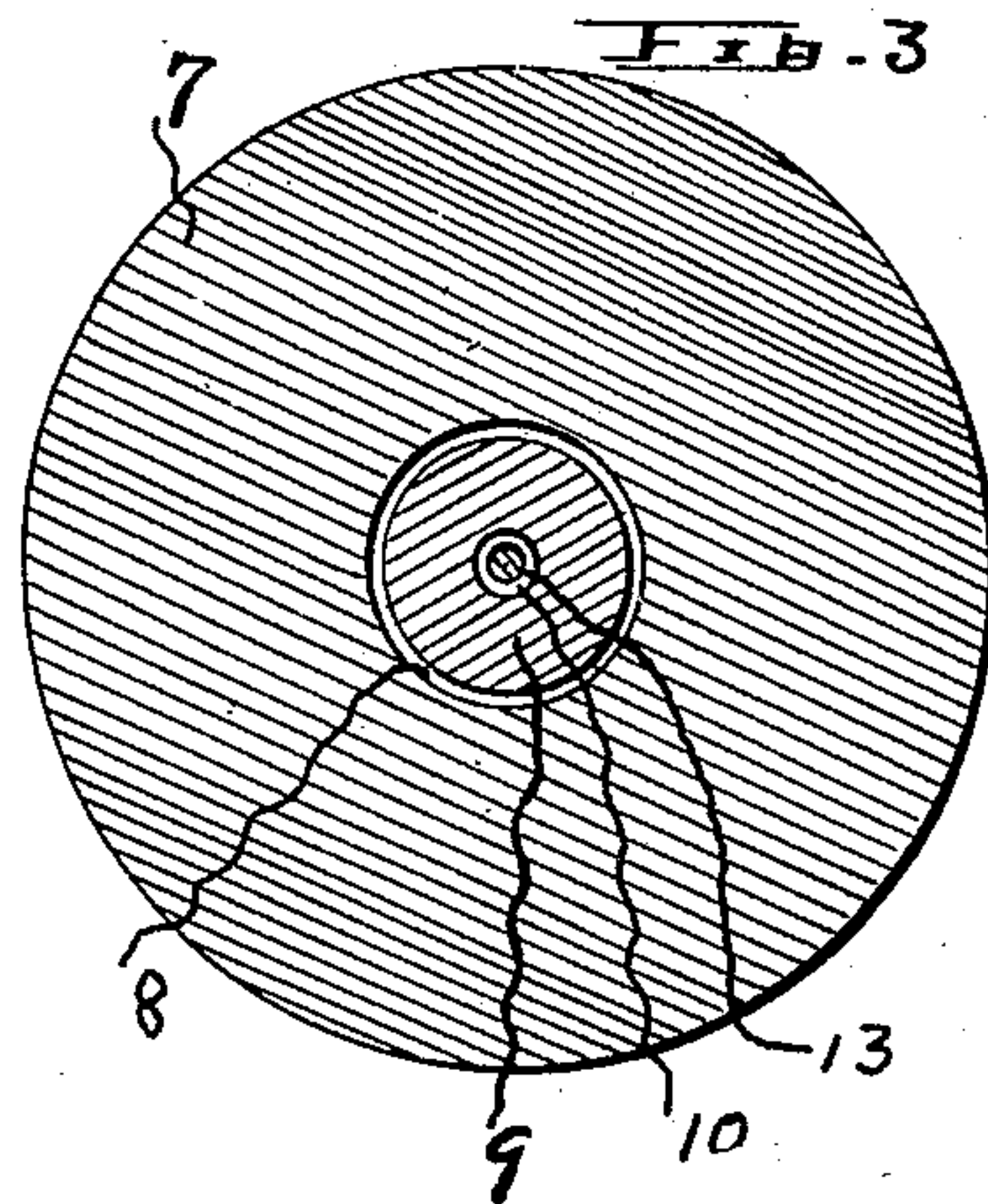
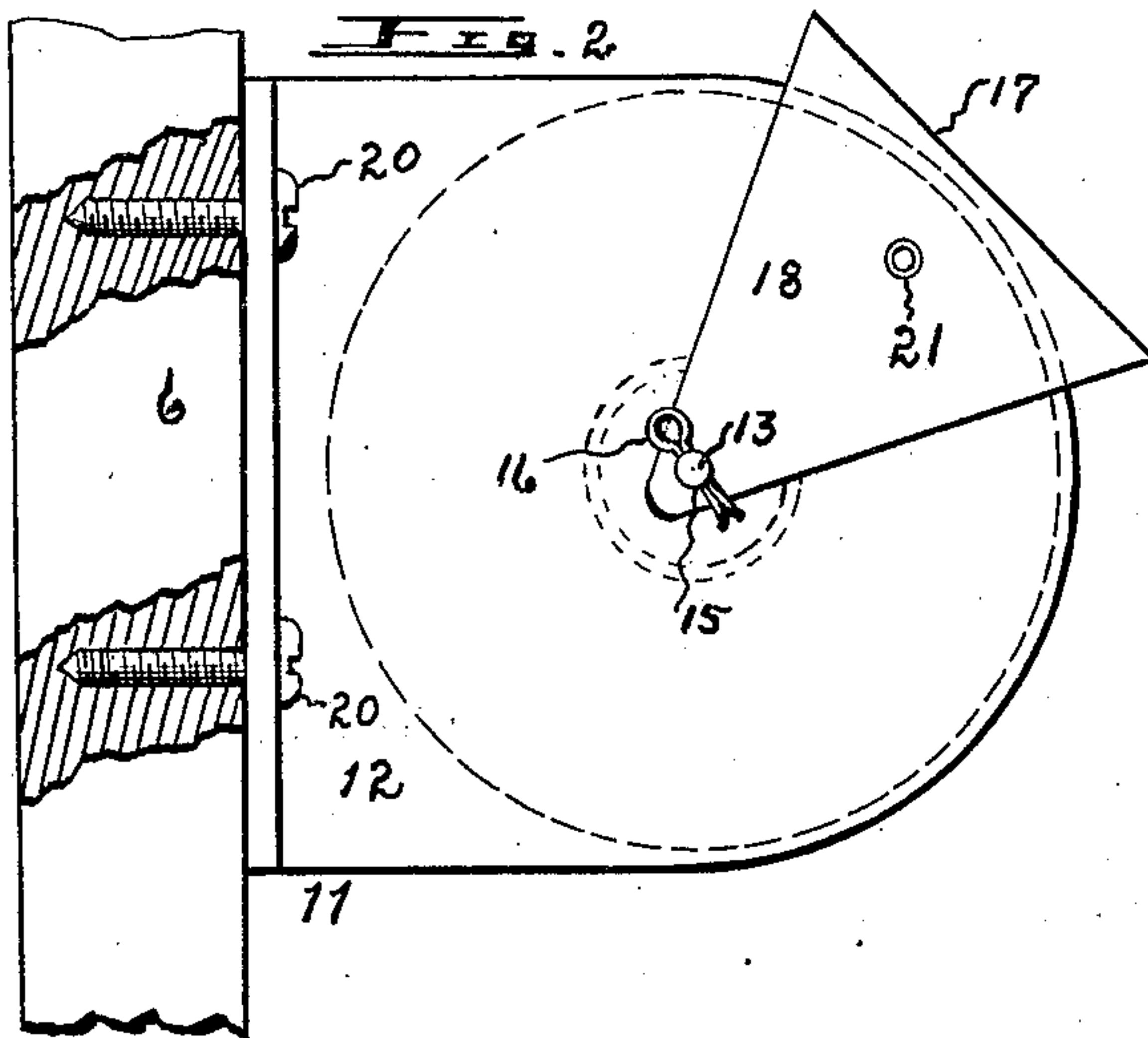
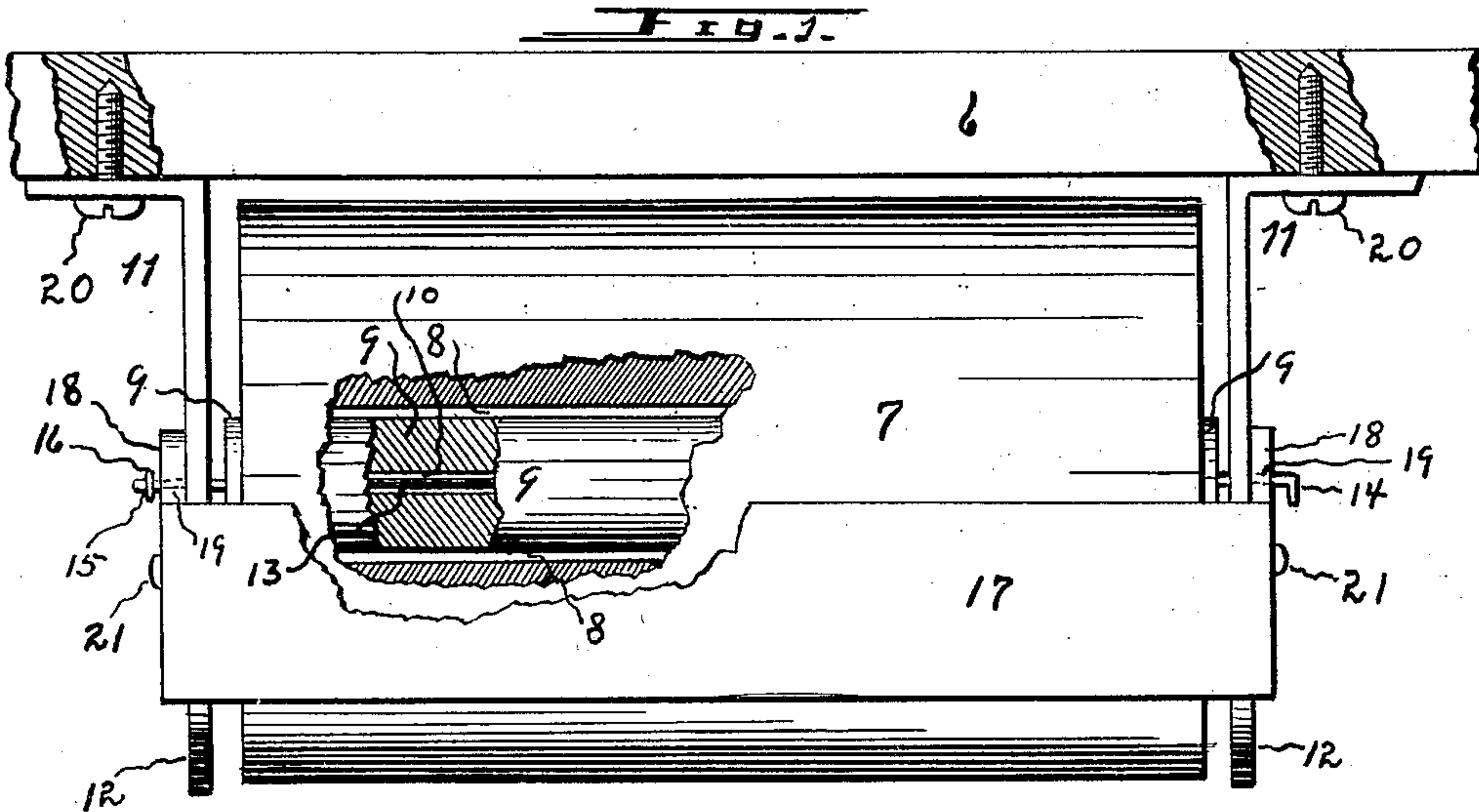


B. R. BONNEY.
STOCK SALTING DEVICE.
APPLICATION FILED JULY 16, 1908.

925,619.

Patented June 22, 1909.



Witnesses

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M. M. Giles -

By

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UNITED STATES PATENT OFFICE.

BICK R. BONNEY, OF LINCOLN, NEBRASKA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS,
TO MARK SWEENEY, OF LINCOLN, NEBRASKA, AND SUSAN K. SWEENEY.

STOCK-SALTING DEVICE.

No. 925,619.

Specification of Letters Patent.

Patented June 22, 1909.

Application filed July 16, 1908. Serial No. 443,926.

To all whom it may concern:

Be it known that I, BICK R. BONNEY, a citizen of the United States, residing at Lincoln, in the county of Lancaster and State of Nebraska, have invented certain new and useful Improvements in Stock-Salting Devices, of which the following is a specification.

This invention relates to improvements in stock-salting devices and has for one of its objects the provision of means whereby horses, cattle or other stock may have access to a supply of salt, but which will prevent the stock from obtaining an immoderate or excessive amount.

Another object is the provision of a salt supply to be furnished in the form of a solid body and which may contain a certain per cent. of medicinal ingredients as a remedy for various diseases common to horses or cattle, the solid body to be so mounted that there will be no waste, practically, while it is being consumed.

The invention has reference to a structure which will be economical in manufacture and convenient for assembling the parts thereof. It also includes features relating to solidity and durability of structure, and the provision of a housing for the salt body or cylinder which will not be obtrusive and which may be conveniently mounted for use.

With these and other objects in view, the invention presents a novel construction and arrangement of parts, as described herein, pointed out by the claim and as illustrated in the drawing, wherein,—

Figure 1 is a plan view of a stock-salting device embodying my invention, parts thereof being in section or broken away, to clearly show construction. Fig. 2 is a vertical, side view of the device. Fig. 3 is a transverse section through the salt cylinder, the roller and locking-bar. Fig. 4 is a side view of the locking-bar. Fig. 5 is a view of the supporting roller in longitudinal section.

Referring now to the drawing for a more particular description, numeral 6 indicates a stationary part, as a part of a feeding box or the like, to which the device may be secured.

Numeral 7 indicates a cylinder of salt or salt roller, which may be medicated or not, as desired; it is formed with the longitudinal aperture 8.

I employ a second cylinder 9, preferably of wood, having the lengthwise opening 10 formed therein, and having a diameter some-

what less than the opening in the salt cylinder.

I provide a pair of supporting members or brackets 11, having arms 12, preferably formed as plates with a width somewhat greater than the diameter of cylinder 7, and having convexedly curved front ends. A locking-bar or pintle is indicated at 13; one of its ends is transversely bent to form a detaining-head 14, its opposite end being apertured at 15 to receive the pin or key 16.

A housing-plate or shield, as indicated at 17 is employed. The parts thus described may be readily assembled, and operatively mounted. Roller 9 is seated within the opening 8; these parts are then mounted upon the bracket arms 12 by passing the pintle 13 through the bracket-arms. The shield 17 preferably has a uniform width and is provided with transverse terminals 18 to operate as holding-arms. These arms are preferably tapered from the body of the shield to their ends, and near these ends they are provided with openings 19, and when the parts are assembled these openings are traversed by the pintle, as plainly shown in the drawing. After the parts are thus assembled, the brackets may be secured to the stationary part 6, in any convenient manner, as by screws 20, and the device is then ready for use.

The purpose of the shield is to prevent breakage of the salt cylinder. By reason of the construction, this cylinder may freely roll, and the salt may be consumed by the animal only by use of the tongue. The arms 18 of the shield are secured to the bracket-arms 12 by rivets 21 so that the shield will be held stationary to overhang a portion of the salt cylinder, the part of the salt cylinder thus covered being an upper, front portion thereof.

The function of the plates or arms 12 when formed with the curvature described is to protect the ends of the salt cylinder, as well as supporting the weight thereof, and since the curvature of the ends of these arms corresponds, generally, to the round surface of the salt cylinder, said arms are not obtrusive while the device is in use, and the latter may be operatively mounted to occupy a limited space.

It is important to form the salt roller with a considerable circumference so that it may have a large opening for purposes of being

held, for feeding purposes. By forming the large opening 8 and by the use of the large wood roller 9 seated therein, as shown, practically all of the salt may be consumed.

5 The function of the roller 9 is to sustain the sleeve of salt to prevent breakage thereof while lapped by the tongue of the animal, and to be loosely seated to allow the salt cylinder to revolve at this time.

10 The employment of the pintle 13 is to sustain the weight of the parts to afford a convenient means for mounting a fresh salt cylinder. By use of the pintle, as shown, the salt roller or cylinder may be readily
15 changed when desired.

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

In a device of the character described the

combination with a pair of spaced horizon- 20
tally disposed brackets, of a salt cylinder, a roller upon which said cylinder is mounted to turn, said roller having a bore formed longitudinally therethrough, a locking rod 25
which passes through said bore and through the said brackets, said roller being mounted to turn upon said rod and a shield separate from said brackets and comprising a longitudinal extending body portion and in-
turned ends through which said locking rod 30
passes, substantially as shown and described.

In testimony whereof I have affixed my signature in presence of two witnesses.

BICK R. BONNEY.

Witnesses:

HIRAM A. STURGES,
M. SWEENEY.