(No Model.)

W. B. FARRAR.

TETHER.

No. 354,404. Patented Dec. 14, 1886.

Fig. 1.

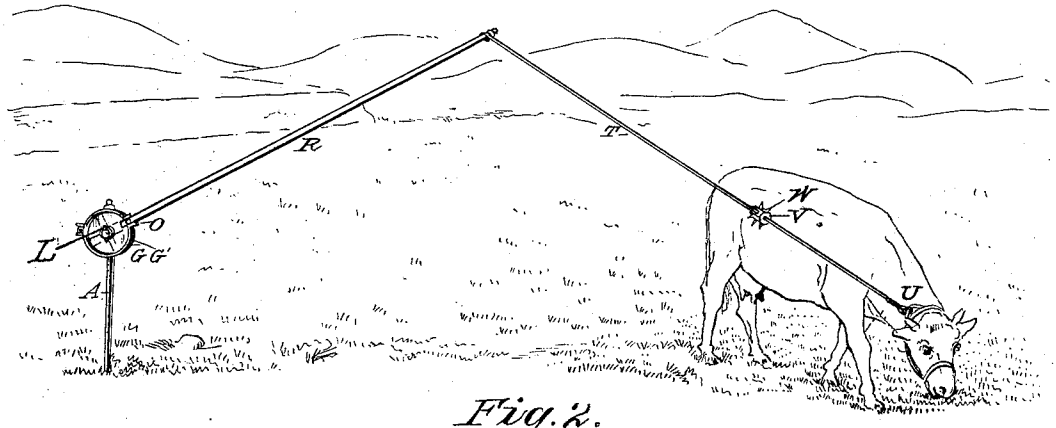


Fig. 2.

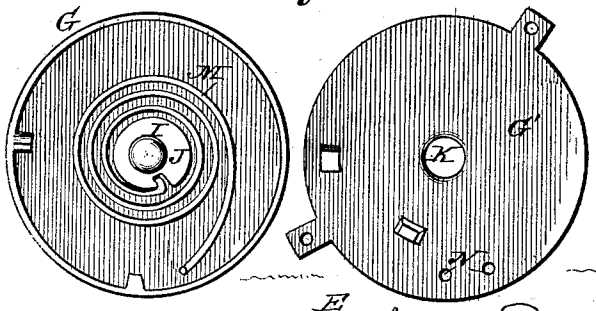


Fig. 3

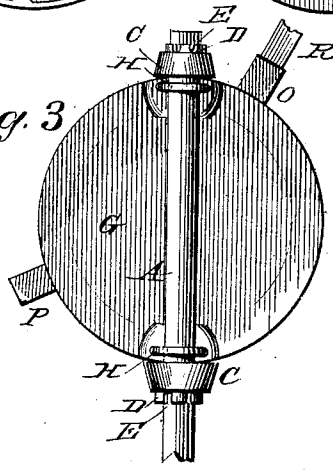
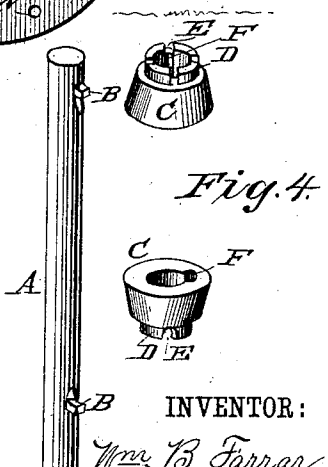


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM B. FARRAR, OF GREENSBOROUGH, NORTH CAROLINA, ASSIGNOR OF ONE-HALF TO CHARLES D. BENBOW, OF SAME PLACE.

TETHER.

SPECIFICATION forming part of Letters Patent No. 354,404, dated December 14, 1886.

Application filed August 30, 1886. Serial No. 212,234. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. FARRAR, of Greensborough, in the county of Guilford and State of North Carolina, have invented a new and useful Improvement in Tethers, of which the following is a specification.

My invention consists in an improved tether, which will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view of my improved tether, showing the same arranged in its operative position. Fig. 2 is a detail view of the two parts or sections of the spring-casing, showing the inner sides thereof. Fig. 3 is a rear elevation of the tether; and Fig. 4 is a detail view of the upper end of the iron stake and the washers, which fit removably thereon.

The same letters of reference indicate corresponding parts in all the figures.

Referring to the several parts by letter, A represents the iron stake forming the support, which in setting up the device for use is driven into the ground for a sufficient distance to hold it firm in its vertical position. The upper end of this iron stake is formed with the upper and lower side lugs, B B, arranged about ten inches apart, as shown.

C C indicate two metal washers, which are formed at one of their ends with the series of lugs D, leaving the intermediate spaces, E, and having on one side of their central apertures the groove F, to permit of their slipping over the lugs on the upper end of the stake when placing them in position. By preference I form both these washers alike, for convenience in manufacture. However, the upper washer might be made without the lugs D and spaces E when so desired, as its purpose is only to prevent the case from rising up off the stake. One of these washers is slipped over the top of the stake after the latter has been secured in the ground, with its notched end down, until it reaches the lower lug on the stake, when it is turned until the said lug fits into one of the spaces or notches on its said lower end, which holds the washer in position, and prevents its slipping down on the stake.

The spring-casing is formed of the two halves G and G′, the part G being of circular form with an edge flange, having on its rear side the loops or clips H, which fit around the upper portion of the stake, these loops being slipped over the upper end of the stake after the lower washer has been placed in position, and the forward or inner side of this part G is formed with the central pin or projection, I, and the central raised portion, J, the pin I passing through a central aperture, K, of the part G′, the part G′ being in the form of a flat disk, and being held in position after it is placed against the part G by means of a key, L, passing through the central pin, I, of the part G, as shown. Within this casing, formed by the parts G and G′, is placed a flat coiled spring, M, which encircles the central raised portion, J, and has its inner end fitting and held in a notch in the said raised portion, as shown in Fig. 2 of the drawings, the outer bent end of the spring fitting in one of two apertures, N, in the lower part of the outer disk, G′.

The disk G′ is formed with the bearings O P. To the upper bearing is secured the lower end of the tether-pole R, this tether-pole being a light wooden pole, to the upper end of which is secured one end of the tethering-rope T, which is provided at its free end with a snap-hook, U, a wooden ball, V, having the spurs W, being adjustably secured on the tethering-rope T by having the said rope passed through its central aperture, in which the said rope fits tightly, so that the spur-ball may be moved up or down on the rope, and will remain in the position in which it is adjusted. After the spring-casing has been placed in position on the upper end of the stake, the second washer is slipped over the top of the stake and over the upper lug on the stake, and when the washer is below such lug it is turned to bring its groove F out of register therewith, when such washer will serve to retain the case on the stake. For convenience of reference, I term these washers the "lower" and "upper" washers, the lower one serving as a bearing or rest for the case and the upper one as a fastening to secure such case on the staff. The tether is now ready for use, and the free end of the tethering-rope is secured to the stock by catching the snap-hook on its end in a ring

on a cord which is tied around the horns of the stock; or where the stock has no horns, a headstall with a throat-latch, and having a ring on the top, is placed on the stock, the object of thus connecting the end of the tethering-rope to the top of the head of the stock being to keep the rope as high as possible from the ground, to prevent the stock from getting their feet over it.

It will now be seen that as the stock grazes around the stake, they will in walking around the stake turn the spring-casing and the tether-pole to which the tethering-rope is fastened, the spring-casing turning freely on the stake resting on the lower metal washer, thus preventing the tethering-rope from being wound around the tether-pole as the animal walks around the stake.

It will be seen that the tether pole or upright can be drawn over to one side to a certain extent, the half of the spring-casing to which it is secured turning on the central pin of its other half, while the heavy coiled spring serves to bring the tether-pole back to its vertical position when the downward strain is taken off of the pole. The spur-ball is adjusted on the rope a correct distance from the snap-hook, so as to spur the animal in the side or shoulder if it attempts to pull straight out on the rope, thus preventing straight pulling. By turning the outer part, G′, of the spring-casing so as to place the outwardly-bent end of the spring in either one of the apertures N, the height of the arm S above the ground may be adjusted.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of my improved tether will be readily understood.

It will be seen that my improved tether is simple, cheap, and strong in construction, and very efficient in its operation. It can be readily taken apart to prevent jarring when moving from place to place, and as readily set up in working position.

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

1. A tether comprising a stake or support, a case having a section journaled to said stake, and a second section pivoted to said first section, the tether-pole, and a spring coiled between said sections and engaging the same, substantially as set forth.

2. In a tether, the combination, with section G, having a bearing for engagement by the spring, of the section G′, having a plurality of openings, N, the spring engaged at one end with section G and having its other end held in one of the openings N, and the tether-pole, substantially as set forth.

3. The combination of the stake having lugs B, the lower washer having its end notched and provided with a slot or groove extended from its bore, the case, the upper washer having its bore also provided with a slot or groove, the spring, and the tether-pole, substantially as set forth.

4. The combination of the stake having the side lugs, the washers, one of which has a notched end, the spring-casing composed of the flanged part having the loops, the central pin, and the raised notched portion, and the part having the central aperture, the adjusting-holes, and the bearings, the coiled spring, the tether-pole, and the tethering-rope having the snap-hook at its free end, substantially as and for the purpose herein set forth.

5. The combination of the stake having the side lugs, the washers, the spring-casing composed of the flanged part having the loops, the central pin, and the raised notched portion, and the part having the central aperture, the adjusting-holes, and the bearings, the coiled spring, the tether-pole, and the tethering-rope at its free end, substantially as and for the purpose herein set forth.

6. The combination of the stake having the side lugs, the washers, the spring-casing composed of the flanged half having the loops, the central pin, and the raised notched portion, and the half having the central aperture, the adjusting-holes, and the bearings, the coiled spring, the tether-pole, the tethering-rope having the snap-hook at its free end, and the spur-ball fitting adjustably on the said rope, all constructed and arranged to operate substantially in the manner and for the purpose herein set forth.

7. A tether comprising a stake, a case-section, G, journaled to said stake, a section, G′, connected with section G and movable rotarily, a tether-pole connected with section G′, and a spring coiled between and connecting said sections G G′, substantially as set forth.

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Witnesses:
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A. H. ALDERMAN.