Nov. 15, 1927. 1,649,224

F. W. GRIFFIN

CLOTHES LINE REEL

Filed March 20, 1924

Fig. 1.

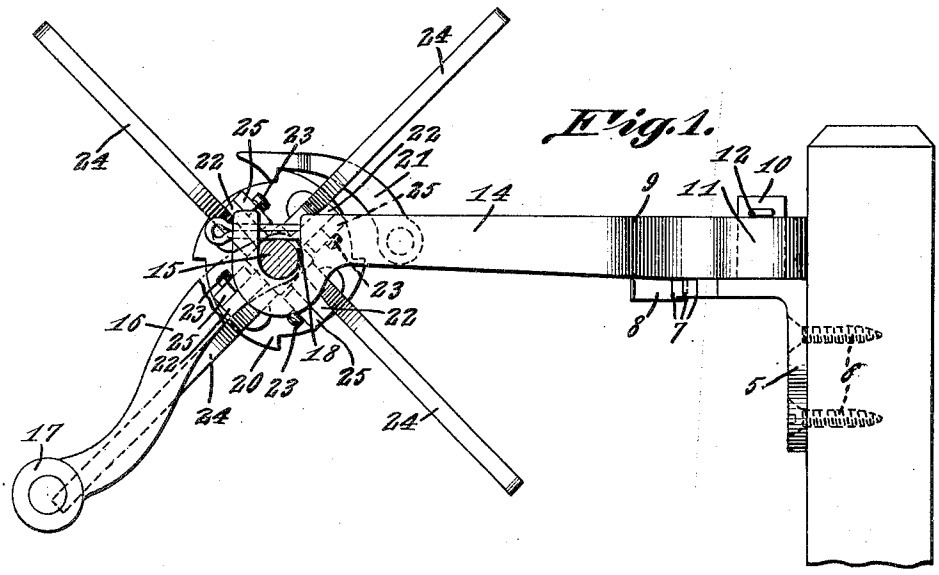


Fig. 2.

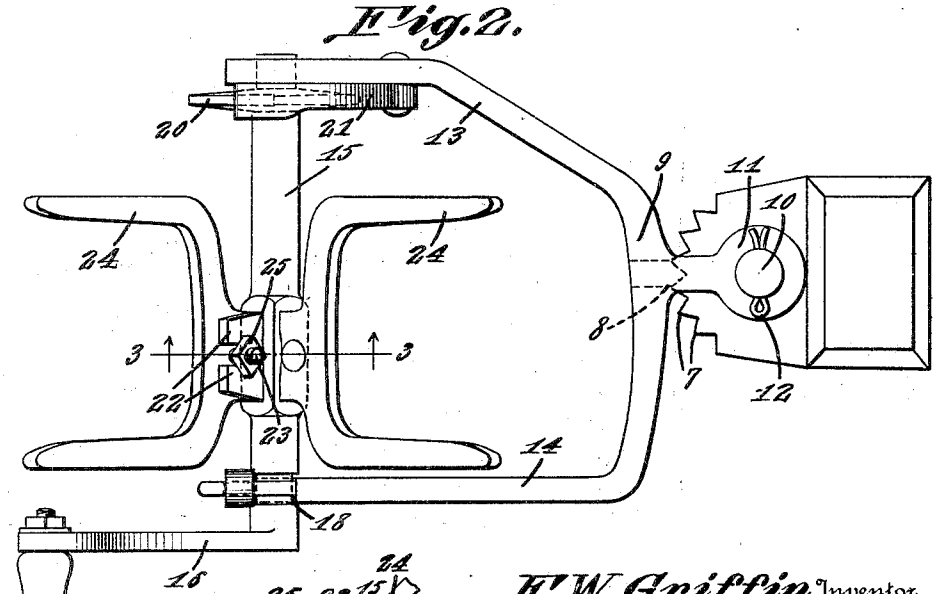
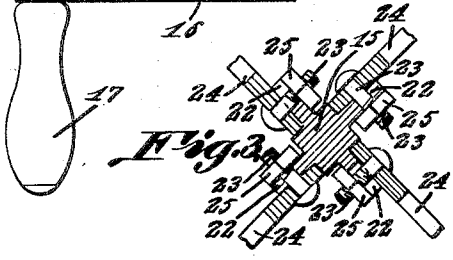


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## CLOTHESLINE REEL.

Application filed March 20, 1924. Serial No. 700,691.

This invention relates to portable clothes line reels and has for its primary object to provide a novel form of clothes line reel which may be adjusted in a horizontal plane to cause the line positioned thereon to be unreeled in various directions.

Another object of the invention is to provide a reel of this character which may be readily and easily inverted to facilitate the reeling operation.

A still further object of the invention is to provide a reel embodying removable fork members, whereby the forks may be removed and replaced with forks of various sizes adapting the device for use in connection with ropes of various diameters.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a side elevational view of a reel and its bracket constructed in accordance with the invention.

Figure 2 is a plan view thereof.

Figure 3 is a sectional view taken on line 3—3 of Figure 2.

Referring to the drawing in detail, the reference character 5 designates a bracket member forming a part of the invention, which bracket member is supplied with suitable openings to accommodate the securing screws 6 whereby the bracket member may be mounted on a suitable supporting post.

The upper portion of the bracket member 5 extends at right angles to its supporting post and as shown, is relatively wide, the forward edge thereof being curved and serrated to provide teeth 7 to be engaged by the lug 8 formed integral with the supporting member 9, the lug being provided with a tapered end portion so that it will fit between adjacent teeth 7.

Extending upwardly from the bracket member is a bearing member 10 designed to be positioned in bearing 11 of the supporting member 9, so that the supporting member may be readily and easily moved to cause the supporting member to operate at various angles. A cotter pin 12 extends through a suitable opening in the bearing member 10 to hold the supporting member 9 in its active position when once adjusted.

The supporting member includes a pair of arms 13 and 14 respectively, the arm 13 being formed with a suitable opening to receive one end of the shaft 15 that has a right angled end portion 16 on which the handle 17 is mounted so that by rotation of the handle 17, the shaft 15 may be rotated, to accomplish the purpose of the invention.

Formed in the shaft 15 is a circumferential groove 18 adapted to accommodate the outer extremity of the arm 14 which is cut away as clearly shown by Figure 1 of the drawing to receive the shaft, the walls of the groove 18 acting to restrict movement of the shaft 15 transversely of the arms of the supporting member.

A key extends across the upper portion of the cut out portion of the arm 14 to lock the shaft within the cut out portion and prevent the shaft from being raised from its bearing while in use. Disposed adjacent to one end of the shaft 15 is a ratchet wheel 20 adapted to be engaged by the pawl 21 pivotally supported by the arm 13, the pawl being constructed so that it will fall by gravity into engagement with the ratchet wheel 20 and normally prevent reverse movement of the reel when it is being rotated to wind a line thereon.

Formed integral with the shaft 15 and extending therefrom, are pairs of spaced ears 22 between which the bolts 23 of the forks 24 are positioned, nuts 25 being provided on the bolts 23 for securing the forks in position on the shaft. Thus it will be seen that due to this construction, the forks may be readily and easily removed and replaced by forks of larger or smaller sizes to meet the requirements of usage.

When it is desired to unreel a line wound on the reel, the pawl 21 may be moved out of engagement with the ratchet wheel, whereupon the reel may be readily and easily rotated by merely pulling the line wound thereon.

If it is desired to move the reel to cause the same to operate at an angle, it is only necessary to remove the pin 12, lift the supporting member 9 to disengage the lug and teeth 17. The supporting member may now be moved at an angle and dropped and allow

the lug to move between teeth 17 adjacent to one edge of the right angled portion of the bracket member 5.

I claim:—

A clothes line reel including a supporting bracket, a shaft rotatably supported by the bracket and having a squared central portion, pairs of spaced ears extended from the squared portion of the shaft, forks having extensions provided with openings adapted to be positioned adjacent to the spaced ears, said extensions abutting the squared central portion of the shaft to prevent side motion of the forks, bolts extending through the openings and adapted to be positioned between the spaced ears, and nuts on the bolts adapted to engage the ears for securing the forks to the shaft.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

FRANK W. GRIFFIN.