Dec. 19, 1922.

1,439,226.

F. C. CLARKE.

STACK COVER.

FILED JUNE 26, 1920.

2 SHEETS—SHEET 1.

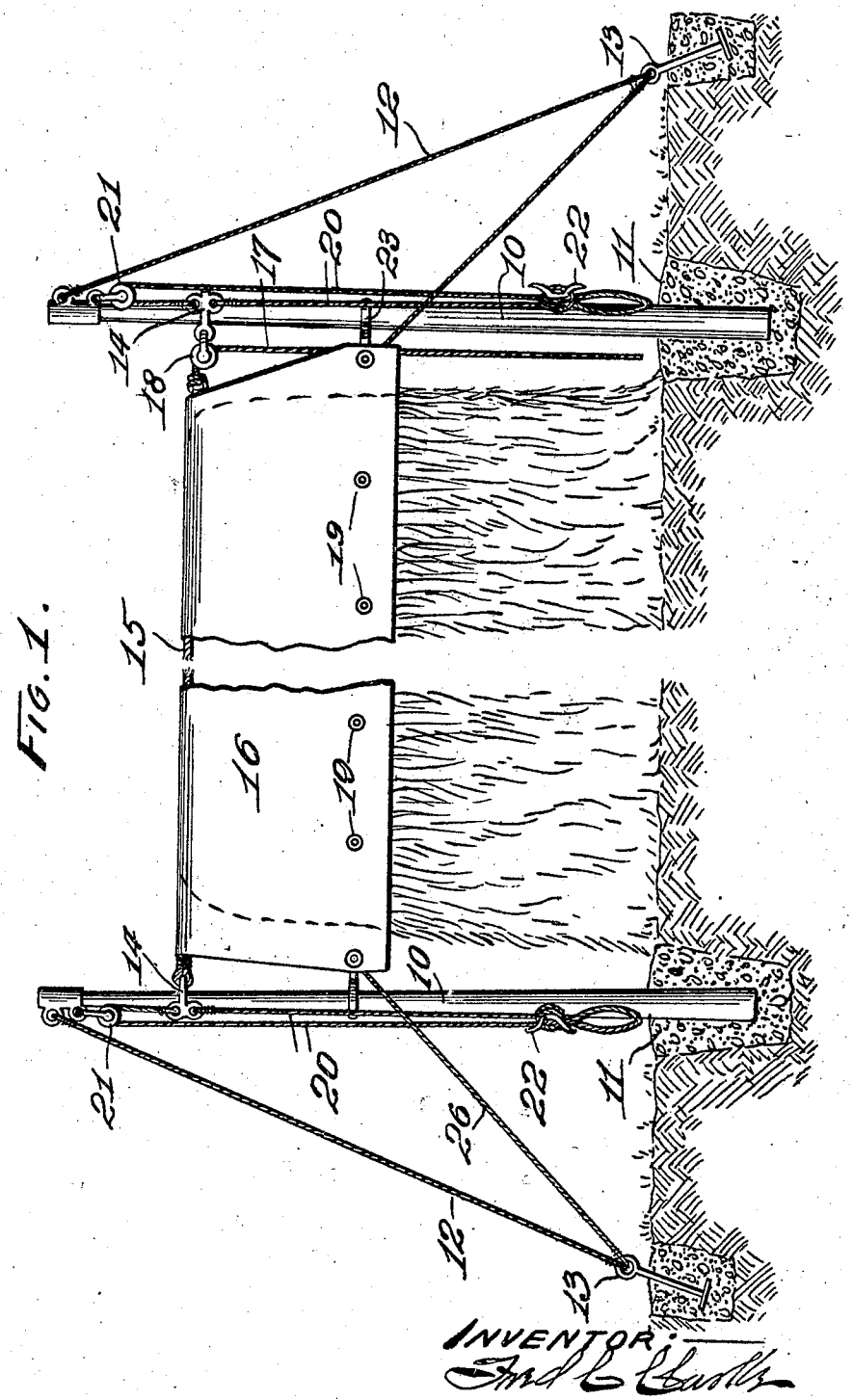


FIG. 1.

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2 SHEETS—SHEET 2.

FIG. 2.

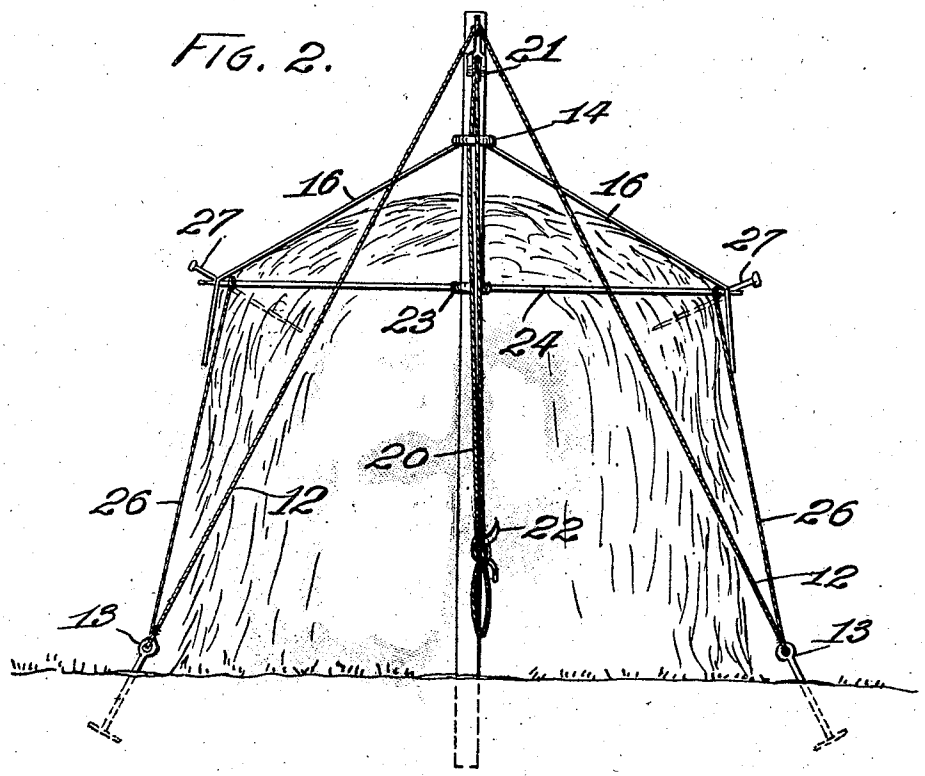


FIG. 3.

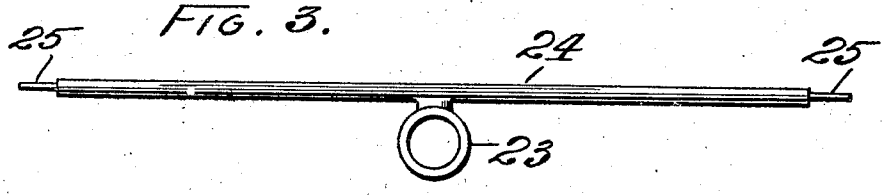
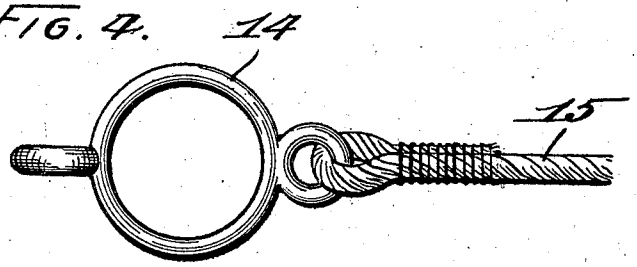


FIG. 4.



INVENTOR:—

Fred C Clarke

Patented Dec. 19, 1922. 1,439,226

UNITED STATES PATENT OFFICE.

FRED C. CLARKE, OF WINFIELD, KANSAS.

STACK COVER.

Application filed June 26, 1920. Serial No. 391,929.

To all whom it may concern:

Be it known that I, FRED C. CLARKE, a citizen of the United States, residing at Winfield, Cowley County, Kansas, have invented a certain new and useful Improvement in Stack Covers, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to new and useful improvements in protective covers for stacks of hay, straw, alfalfa, grain and like farm products, the principal objects of my invention being to provide a simple and efficient cover in the nature of tarpaulin of sufficient size to cover the entire upper portion of a relatively large stack of hay, grain, or the like; to provide simple means for supporting and handling said cover while the same is being applied to or removed from position upon a stack, and further to provide simple and efficient means for spreading the cover and retaining it in position upon the stack.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts hereinafter more fully described and claimed and illustrated in the accompanying drawings, in which:

Fig. 1 is a side elevational view of a stack cover of my improved construction, the same being shown in position on a stack.

Fig. 2 is an end elevational view of the cover applied for use.

Fig. 3 is a plan view of one of the spreaders made use of in carrying out my invention.

Fig. 4 is a plan view of one of the rings that carries the cover supporting rope or cable.

Referring by numerals to the accompanying drawings which illustrate a practical embodiment of my invention, 10, 10 designate posts or uprights that are spaced a suitable distance apart, with their base portions embedded in the ground. In order to maintain these posts firmly in position, I prefer to set their lower ends in blocks of concrete 11, and to brace them by means of guy wires or cables 12, which extend from the upper ends of the posts to suitable anchors 13, the latter being embedded in the ground at points laterally disposed with respect to said posts.

Rings 14 are arranged to slide freely upon the posts or uprights 10, and secured in any suitable manner to either one of these rings is one end of a stout rope or cable 15 that serves as a supporting member or ridge for the cover 16. The opposite end of the rope or cable is connected to the end of a short cable 17 that passes around a pulley block 18, preferably of the self-locking type, and this pulley block is secured in any suitable manner to the adjacent one of the rings 14.

The cover 16 is formed preferably of canvas or analogous material that may be water-proofed, if desired, and it rests on the rope or cable so that substantially equal parts are positioned on opposite sides thereof. This cover may be secured to the rope or cable in any suitable manner, and arranged adjacent to its lower edges are suitable openings in which are located eyelets 19.

Secured in any suitable manner to the rings 14 are the ends of ropes or cables such as 20, and the upper portions thereof pass over pulleys 21, which latter are secured in any suitable manner to the upper portions of posts 10. The lower portions of these ropes or cables 20 are adapted to be secured to cleats or similar brackets 22 that are secured to the lower portions of posts 10.

Arranged to slide freely upon the posts 10 below the rings 14 are spreaders for the ends of the cover 16, said spreaders each comprising a ring 23 to which is secured a substantially straight bar 24, the ends of which terminate in pins 25 that are adapted to engage with the eyelets that are immediately adjacent to the ends of the cover, and, consequently, holding the ends of said cover in position beyond the ends of the stack when said cover is positioned thereupon. To hold these spreaders firmly in position, guy ropes, such as 26, are extended from the ends of said spreaders downward to the anchors for the guy wires or cables 12.

When my improved stack cover is in use it occupies a position over the upper portion of a stack of hay, straw, grain, or the like, as illustrated in Figs. 1 and 2, and said cover is firmly held in such position by the rope or cable 15, and which latter is drawn taut between the upper portions of the posts 10 by proper manipulation of cable 17 upon the self-locking pulley 18. The cover 16 is

raised or lowered by proper manipulation of the ropes 20, and after the position of the cover has been adjusted, said ropes 20 are secured in the usual manner to the cleats 22. After the ends of the spreaders have been properly connected to the corners of the cover and the guy ropes 26 secured to said spreaders, the lower edges of the cover are anchored to the body of the stack by means of suitable pins, such as 27, that are inserted through the eyelets 19. (See Fig. 2.)

A stack cover of my improved construction is comparatively simple, is capable of being readily manipulated while being placed in position upon or removed from a stack, and in addition to serving as a protective covering for stacks of hay, grain, or the like, can be utilized as a temporary covering for farm machinery, large vehicles, and the like.

It will be readily understood that minor changes in the size, form and construction of the various parts of my improved stack cover can be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim—

1. The combination with a pair of uprights, of members mounted for vertical adjustment upon said uprights, a flexible member connected to said vertically adjustable members, means for drawing said flexible member taut, a cover carried by said flexible member and spreaders arranged for sliding movement upon said uprights below the vertically adjustable members, the ends of which spreaders engage the corners of said cover.

2. The combination with a pair of uprights, of a vertically adjustable member supported by said uprights, a cover carried by said vertically adjustable member, spreaders between the ends of said cover and said uprights and guys anchored at their lower ends and connected to the ends of said spreaders.

In testimony whereof I hereunto affix my signature this fifth day of June, 1920.

FRED C. CLARKE.