

E. H. ATKINSON.  
SUNSHADE HOLDER.  
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931,371.

Patented Aug. 17, 1909.

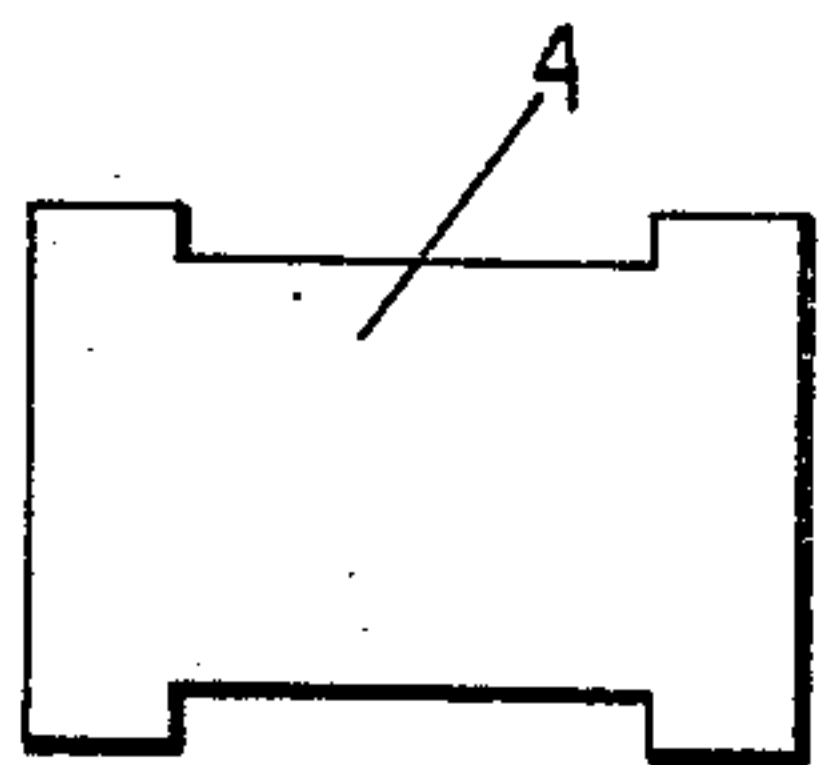


Fig. 2.

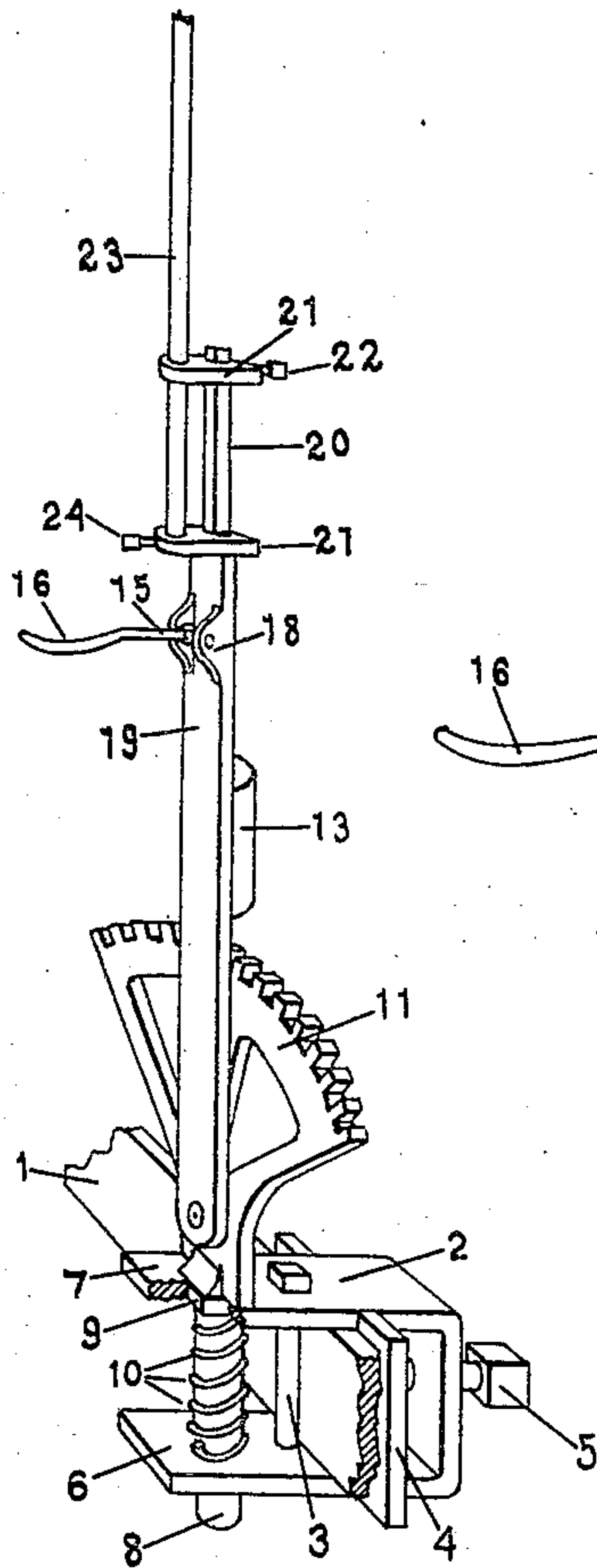


Fig. 1.

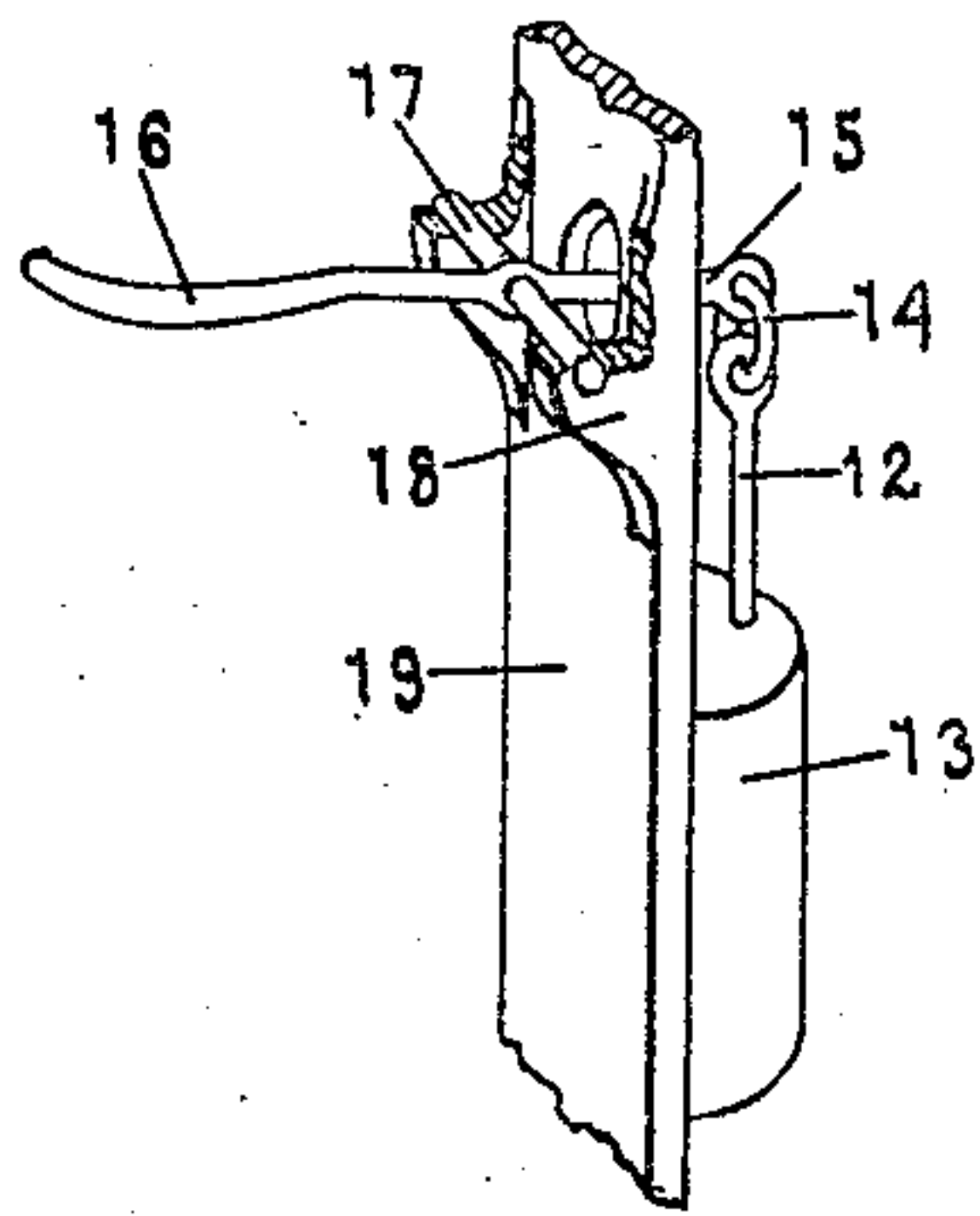


Fig. 3.

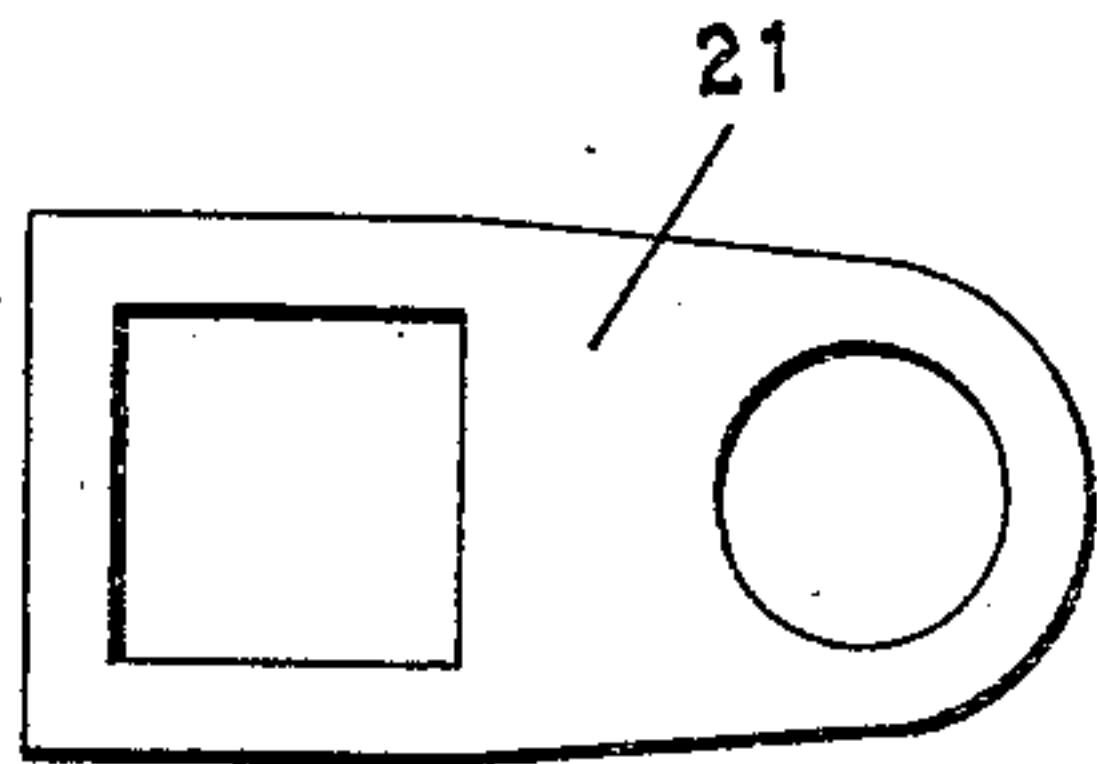


Fig. 4.

WITNESSES:

*John S. Murray*  
*Jessie Kirk*

INVENTOR

*Earl H. Atkinson*

BY

*John McSpelman*  
ATTORNEY



# UNITED STATES PATENT OFFICE.

EARL H. ATKINSON, OF FERRIS, TEXAS.

## SUNSHADE-HOLDER.

No. 931,371.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed March 29, 1909. Serial No. 486,357.

*To all whom it may concern:*

Be it known that I, EARL H. ATKINSON, a citizen of the United States, residing at Ferris, in the county of Ellis and State of Texas, have invented certain new and useful Improvements in Sunshade-Holders, of which the following is a specification.

My invention relates to new and useful improvements in sunshade holders. Its object is to provide an adjustable attachment for farm implements, whereby a sun-shade or umbrella may be held above the operator of said implement, protecting him from the sun or rain.

Another object is to provide a sun-shade holder which may be adjusted by the operator, according to the position of the sun.

Finally, the object of the invention is to provide a sun-shade holder which will be strong, durable, simple and efficient, and comparatively easy to construct, and also one in which the various parts will not be likely to get out of working order.

With these and various other objects in view, my invention has relation to certain novel features of construction and operation, an example of which is described in the following specification and illustrated in the accompanying drawing, wherein:

Figure 1 is a perspective view of the shade holder, attached to the beam of an implement, the upper part of the sun-shade being broken away. Fig. 2 is an I-shaped clamp, by means of which the shade holder is attached to the beam of the implement. Fig. 3 is a perspective detail of the means employed to adjust the sun shade at various angles. Fig. 4 is a detail view of one of the clamps, whereby the sun-shade is attached to the upper extremity of the adjusting lever.

Referring now more particularly to the drawings, wherein like numerals of reference designate similar parts in all the figures, the numeral 1 denotes a portion of the frame of the implement to which the shade holder is attached. 2 is a U-shaped clamp through which said portion of the frame passes. 3 is a rigid bolt connecting the two arms of the clamp, against which said portion of the frame is held by an I-shaped sliding plate 4, pressure being applied to said plate by a set screw 5. The lower arm 6 of said clamp contains a circular aperture, and the upper arm 7 contains a square aperture. A rod or cylinder 8 passes through said circular aperture, and carries upon its

upper extremity a square head 9 fitting said square aperture. A coiled spring 10 encircles said cylinder 8, its lower extremity being rigidly attached to cylinder 8, and its upper extremity bearing against the lower surface of the upper arm of the clamp. The square head 9 is surmounted by a toothed segment 11 integral therewith. There engages with the teeth of said segment 11 the usual form of spring actuated rod 12 inclosed in a casing 13. A link 14 connects the upper extremity of said rod 12 with a lever 15 having a curved handle 16. Through said lever 16 passes a spindle 17 mounted in bearings 18 integral with the adjusting lever 19. At the upper extremity of the lever 19, a shoulder is formed by reducing the width of said lever, the reduced portion 20, having a square cross section. Clamps 21 are attached to the upper extremity of lever 19, said clamps being provided with square apertures through which passes the portion 20 of said lever 19. The lower clamp 21 rests upon said shoulder between the lower portion of the lever 19 and the upper reduced portion 20; the upper clamp 21 is secured in place by set screw 22.

23 denotes the handle of the sun shade, which passes through circular apertures in the clamps 21, and is secured in position by a set screw 24 attached to the lower clamp.

While this attachment has been devised mainly for farm implements, it is obvious that it may be also applied to farm wagons, by providing to the latter a slight projection similar to the beam 1 shown in Fig. 1, and clamped in a similar manner. Also while the rectangular portion 9 is shown in the drawing four-sided, the applicant does not wish to limit himself to this construction, as a hexagonal or octagonal prism may be used to replace said portion 9 in order to secure a wider range of adjustment. It is obvious that by lifting the portion 9 from its socket in the upper arm of the clamp 2, and at the same time compressing the coiled spring 10, the shade holder may be turned and replaced in its socket at a different angle.

What I claim is:

1. In a sun-shade holder, the combination with a clamp, whereby said holder may be attached to the frame of a farm implement, of a toothed segment adjustably mounted upon said clamp, a prism having a plurality of equal sides, fitting an aperture of similar shape in said clamp, and permitting said



toothed segment to be adjusted in a plurality of vertical planes, a lever pivotally mounted upon said toothed segment, a rod engaging in teeth of said segment, a spring holding said rod in engagement, means for removing said rod from engagement with teeth of said segment, to permit of angular adjustment of the lever, and means for attaching a sun-shade at upper extremity of said lever.

2. In a sunshade holder, the combination with a U-shaped clamp, adapted to be attached to the frame of a farm implement, of a rigid, detachable, connection between the arms of said clamp, a set screw, whereby some portion of said frame of the implement may be clamped against said rigid connection, an I-shaped plate, slidably mounted in said clamp, transmitting the pressure of said set screw to the portion of the frame passing through said clamp, a toothed segment mounted upon said clamp, adjustable in a plurality of vertical planes, a prism provided with a plurality of equal sides and fitting an aperture of similar shape in the upper arm of said clamp, said prism being integral with said segment, a rod or cylinder in-

tegral with said prism, passing through a round hole in the bottom arm of clamp, a coiled spring upon said cylinder, whose upper extremity bears against the upper arms of clamp, and whose lower extremity is rigidly attached to said cylinder, said spring serving to retain said segment in position, a lever pivotally attached to said segment, adjustable at various angles, a rod attached to said lever, engaging in teeth of said segment, a spring to hold said rod in position, a smaller lever pivotally mounted upon said adjusting lever and attached to said rod, whereby said rod may be withdrawn from engagement with teeth of said segment to permit adjustment, and means whereby the sun-shade may be attached to the upper extremity of said adjusting lever.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EARL H. ATKINSON.

Witnesses:

NANNIE B. SMITH,  
FRANCES MCKAY.