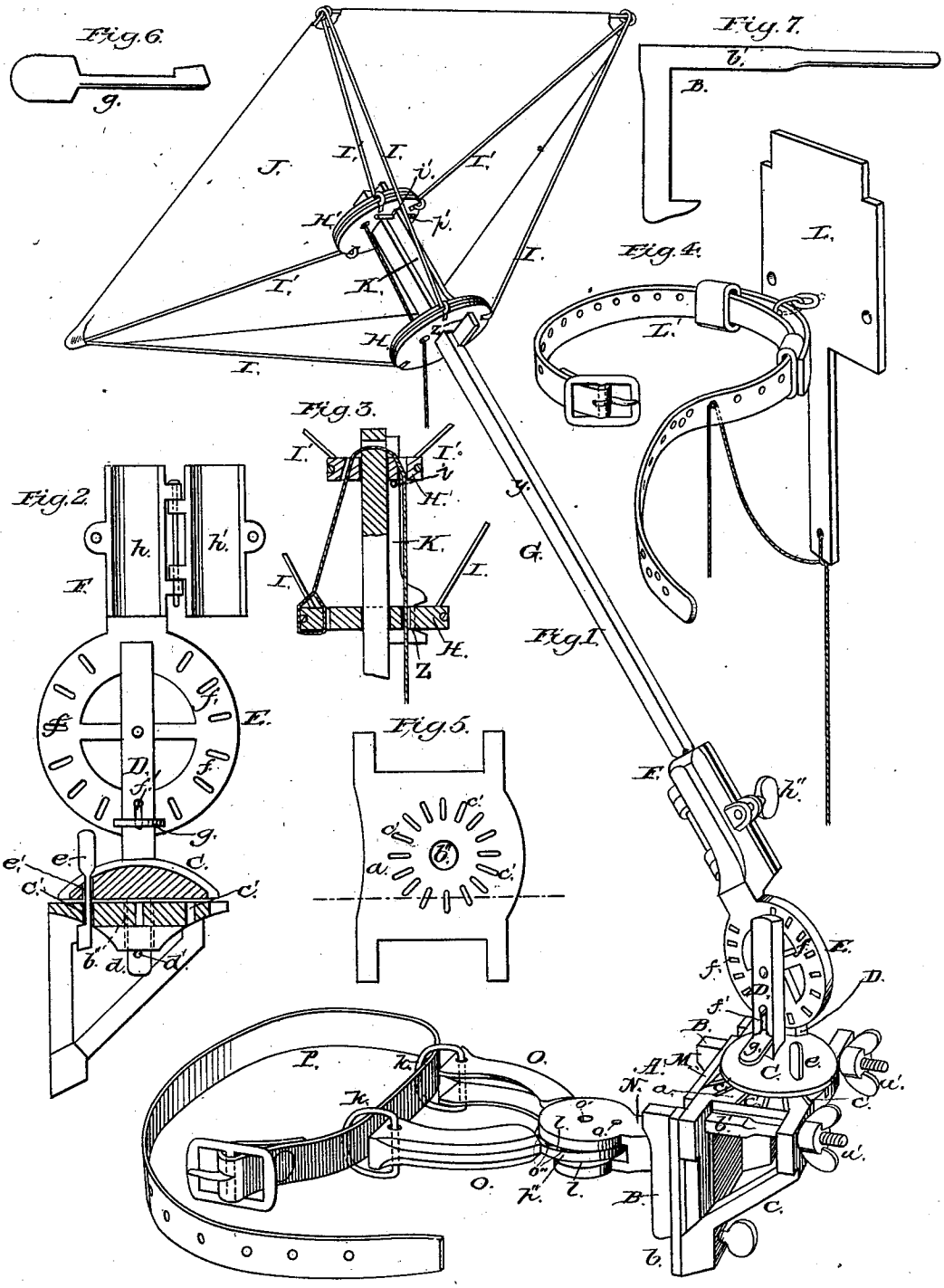
A. B. SMITH.

Sun Shade Holder.

No. 235,304. Patented Dec. 7, 1880.



WITNESSES

Villette Anderson

F. J. Masi

INVENTOR

Amroy B. Smith,

by Ed. Anderson

his ATTORNEY

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

AMROY B. SMITH, OF WOODBINE, TEXAS.

SUN-SHADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 235,304, dated December 7, 1880.

Application filed June 24, 1880. (Model.)

To all whom it may concern:

Be it known that I, AMROY B. SMITH, of Woodbine, in the county of Cook and State of Texas, have invented a new and valuable Improvement in Sun-Shades; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of my improved sun-shade, and Figs. 2, 3, 4, 5, 6, and 7 are details.

This invention has relation to improvements in sun-shades and sun-shade holders for vehicles and for the person.

The nature of the invention will be hereinafter fully set forth.

In the annexed drawings, the letter A designates a strong bracket, consisting, essentially, of a platform, *a*, legs *b* at right angles thereto, and diagonal braces *c*, connecting the ends of the legs and the platform, as shown.

B B indicate angular griping-dogs, one leg of which extends through registering perforations in the legs and braces, just under the table, and the other extends downward parallel to the legs of the bracket, as indicated in Fig. 1. The ends of the dogs are threaded for the reception of a thumb-nut, *a'*, by means of which the bracket is clamped to the rail of a vehicle or other object, and in order that the said dogs may not turn as the nuts are set up the shank *b'* is squared and is received in a corresponding perforation in the bracket-leg. The table *a* is centrally perforated at *b''*, Fig. 2, and provided with oblong slots *c'*, radiating from said perforation as a center, but not in communication therewith.

C indicates a disk-like bearing, having a spindle, *d*, extending through the perforation *b''* of the bracket, and having free rotation therein. The bearing-disk C turns freely on the platform *a* of the bracket, and is secured thereto by means of a pin, *d'*, extending through the spindle *d* under the table or platform. The adjustment of disk C is had by means of a key, *e*, extending through a slot, *e'*, therein, and through one of the slots, *c'*, of the table, which key is locked against casual displacement by turning it axially until its enlarged lower end is brought crosswise to the slot *c'*.

Extending up from the disk C are two parallel posts, D, of suitable height, in which a wheel, E, on the end of the umbrella-clamping arm F has its bearings. This wheel is provided, near its perimeter, with oblong slots *f*, centering, if prolonged, at the axis of rotation of said disk, and the posts D are provided with similar slots, *f'*, in a position such that as wheel E rotates in its bearings the slots *f* are brought in line therewith and admit a key, *g*, which thus locks arm F to its adjustment.

It will be clear from the above explanation that the arm F is adjustable at any angle vertically embraced in an arc of one hundred and ninety degrees, and that the disk C is adjustable so as to bring the arm F to any desired point of the compass. The wheel E and arm F are made in one piece, usually of metal, and the latter is composed of a fixed jaw, *h*, and a jaw, *h'*, hinged thereto, the sun-shade staff G being clamped between the said jaws by means of a set-screw, *h''*.

The staff G is oval or of oblong form in cross-section, and the contiguous faces of the jaws are concaved to correspond. At its upper portion the staff G is squared, as indicated, and upon this squared portion *y* are placed two parallel disks, H H', to which are pivoted to vibrate vertically the metallic rods I I' respectively. The rods converge toward each other, and are pivoted together at their meeting ends. They support the canopy J, which is secured to the joined ends of rods I I' in any suitable manner.

In use the disk H' acts as a runner, and during the movements thereof the disk H is stationary.

The disks are below the canopy, and the rods I I' being connected together at their outer extremities, the upward movement of the runner-disk H' straightens out rods I and extends the canopy horizontally, the rods I' in this position acting as braces. When disk H' is lowered the rods I I' are folded in against the staff, and the canopy is folded in around the same.

Secured to the disk H is an upright post, K, extending through a slot, *z*, of disk H, as

shown in Fig. 1. When the disk H′ is raised so as to expand the folding canopy it is held to its adjustment by means of a removable pin, *p′*, passing through a perforation, *i*, in upright K, under the said disk.

The shade-holder may be clamped, by means of the dogs aforesaid, to a plate, L, Fig. 4, flexibly connected to a strap, L′, which is bound around the waist, and thus the person of the wearer is shaded by the canopy, and he may pursue his occupation in the field sheltered from the sun, and with both hands free; or it may be secured to a plate, M, having projecting therefrom a stem, N, carrying in its end the independently-vibrating claws or gripers O. These gripers have at their ends the rings *k*, through which passes the strap P, and they are provided with disk-bearings *l*, of different diameters, which are passed into the forked broadened end of stem N and secured by means of a pivot, *o′*.

The broadened end *p″* of the griper-jaw is provided with perforations *o″*, which are brought in line with a perforation, *o*, in stem N, and a pin being passed through these perforations adjusts the plate M, so as to throw the same at an incline.

The claws are creased on their inner faces, and are applied on the pommel or horn of the saddle, the clamp being applied by the strap P, which is drawn tight and wound around the horn of the saddle and then buckled.

I am well aware that umbrella-holders constructed in such manner as to have universal motion both horizontally and vertically are not new, and no broad claim to such a construction is herein made.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the bracket A, having the clamping-dogs B, a central opening, *b″*, and radial slots *c′* in the table *a*, of the bearing-disk C, having the spindle *d*, the slot *c′*, the uprights D, having key-hole slots *f′*, the umbrella-clamp F, having the wheel E journaled in said uprights, and provided with radial slots *f′*, and the keys *g e*, substantially as specified.

2. The combination, with a bracket, A, adapted to be secured to a vehicle, and provided with oblong radial slots *c′*, and a central bearing, *b″*, at the point of convergence of said slots, of the bearing-disk C, having the central spindle, *d*, and the oblong slots *e′*, the key *e*, and the uprights D, having slots *f′*, and affording bearings to the vertically-vibrating umbrella-clamp, substantially as set forth.

3. The combination, with the bracket A, the horizontally-vibrating and adjustable bearing C, radial slots *c′* in said bracket, a slot, *e′*, in said bearing, and a key, *e*, extending through said slots, of the uprights D, erected on said bearing, and having slots *f′*, the wheel E, having slots *f* near its perimeter, and carrying the clamp-arm F, and a key, *g*, passing through said slots and adjusting the clamp vertically, substantially as specified.

4. In an umbrella-holder, the combination of the clamp F, and a staff, G, having the squared portion *y*, the disks H H′ thereon, the rods I I′, pivoted, respectively, to said disks at one end and to each other at the other, the canopy J, secured to the joined ends of said rods, the upright K on disk H, extending through a slot, *z*, in disk H, and provided with perforation *i*, and a pin, *p′*, extending through said perforation under disk H′, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

AMROY B. SMITH.

Witnesses:
FRANCIS M. GEE,
PHILLIP R. WERTZ.