

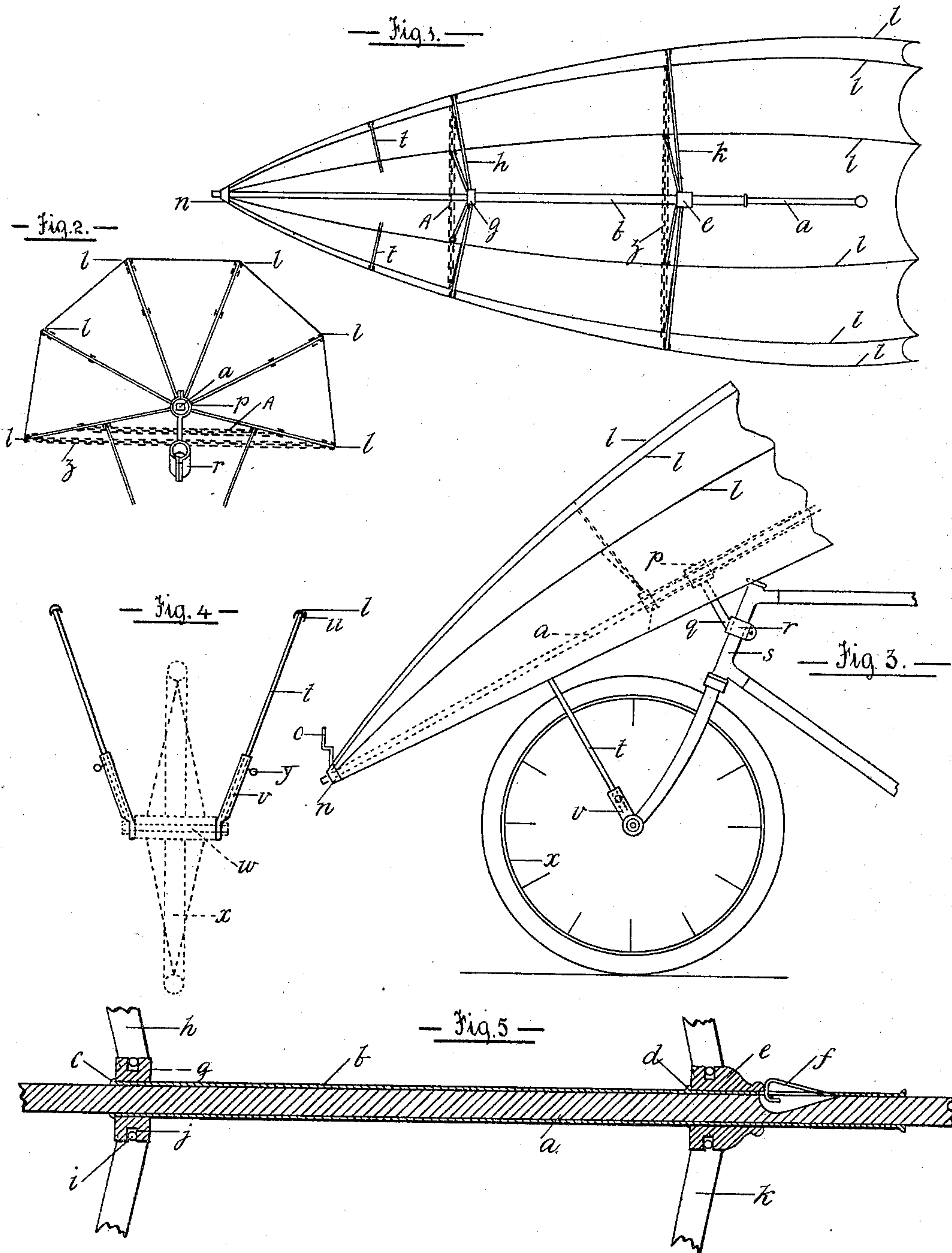
No. 695,960.

Patented Mar. 25, 1902.

E. STEVENS.
WIND SHIELD FOR CYCLES.

(Application filed Jan. 6, 1902.)

(No Model.)



Witnesses.

William Crossley.
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UNITED STATES PATENT OFFICE.

EGBERT STEVENS, OF CHICAGO, ILLINOIS.

WIND-SHIELD FOR CYCLES.

SPECIFICATION forming part of Letters Patent No. 695,960, dated March 25, 1902.

Application filed January 6, 1902. Serial No. 88,678. (No model.)

To all whom it may concern:

Be it known that I, EGBERT STEVENS, a citizen of the United States of America, residing at No. 11,924 Perry avenue, Chicago, Illinois, have invented new and useful Improvements in Wind-Shields for Cycles, of which the following is a specification.

My invention relates to improvements in wind-shields for cycles, the object being to lessen the resistance of the wind to the progress of the rider and machine and to provide an apparatus which can be shut up when out of use.

In carrying my invention into effect I provide an arrangement of parts shown in the accompanying drawings, wherein—

Figure 1 is a plan of the shield seen from inside; Fig. 2, a front view of it. Fig. 3 is a side view of the shield attached to a cycle; Fig. 4, a front view of certain parts to be hereinafter referred to; and Fig. 5, an enlarged sectional side view of certain other parts, also to be hereinafter mentioned.

I provide a square stick *a*, having on it a long runner or sleeve *b*. On the stick is also a stop *c* to localize the position of the runner *b*, which carries another stop *d* to localize a shorter runner *e*, free to move along outside the runner *b* and kept in place when the appliance is open by the spring *f*. Attached to the runner *b* is a ring *g*, carrying the lower ends of the forward stretchers *h*, which are held in position by the wire *i*, running in a groove *j* in the periphery of the ring *g* in the same manner as the stretchers of an ordinary umbrella. The lower ends of the rearward stretchers *k* are attached in a similar manner. The stretchers *h* and *k* carry the ribs *l*, the stretchers *h* being shorter than the stretchers *k* in order that the forward ends of the ribs *l* may converge toward one another at the point of the stick *a*, where they are hinged to a ring *n*. A lamp-bracket *o* may be provided at the point of the stick *a* or elsewhere. The spaces between the ribs *l* are covered with canvas or other suitable fabric.

The appliance is attached to the cycle-frame by a spring-clip *p*, which grasps the stick *a* and is connected by a rod *q* with another spring-clip *r*, which embraces the steering-socket *s*. It is further held in place by the stays *t*, hinged at their outer ends *u* to

the two outer of the ribs *l* and having their inner ends inserted in sockets *v*, attached to the hub *w* of the front wheel *x*, in which sockets *v* they (the stays *t*) are held by set-screws *y*.

The triangular space on each side of the appliance and comprised between the upper ends of the sockets *v*, the hinging-points *u*, and the ring *n* may be covered with canvas, laced or otherwise fastened in place.

In order to assist in keeping the appliance "taut" when opened, chains *Z* and *A* may be provided, which are attached at each end to the opposite and outermost of the ribs *l*.

The appliance when open may be shut up by removing the stays *t* from the sockets *v*, pressing down the spring *f*, and drawing rearward the sleeves *b* and *e*.

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

In a wind-shield for cycles the combination of a square stick: a long sleeve sliding on the said stick: a short sleeve sliding on the said long sleeve: a stop on the said stick: a stop on the said long sleeve: a ring on the said long sleeve: a number of stretchers hinged to the ring on the long sleeve: a number of longer stretchers hinged to the said short sleeve: ribs hinged to the outer ends of the said stretchers: a ring near the point of the said stick to which ring are hinged the converging ends of the ribs: a spring-clip to embrace the said stick: a spring-clip to grasp the steering-socket: a rod connecting the said spring-clips: sockets attached to the outer ends of the hub of the front wheel of the cycle: stay-rods having their upper ends hinged to the outer of the said ribs and their lower ends inserted in the said sockets: a foldable fabric covering the space between the said ribs: a triangular piece of foldable fabric on each side of the front wheel and attached by two of its sides to the forward part of the outer of the ribs and to the said stays, substantially as described in the above specification.

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

EGBERT STEVENS.

Witnesses:

ALLE A. TENINGA,
GERRIT PON.