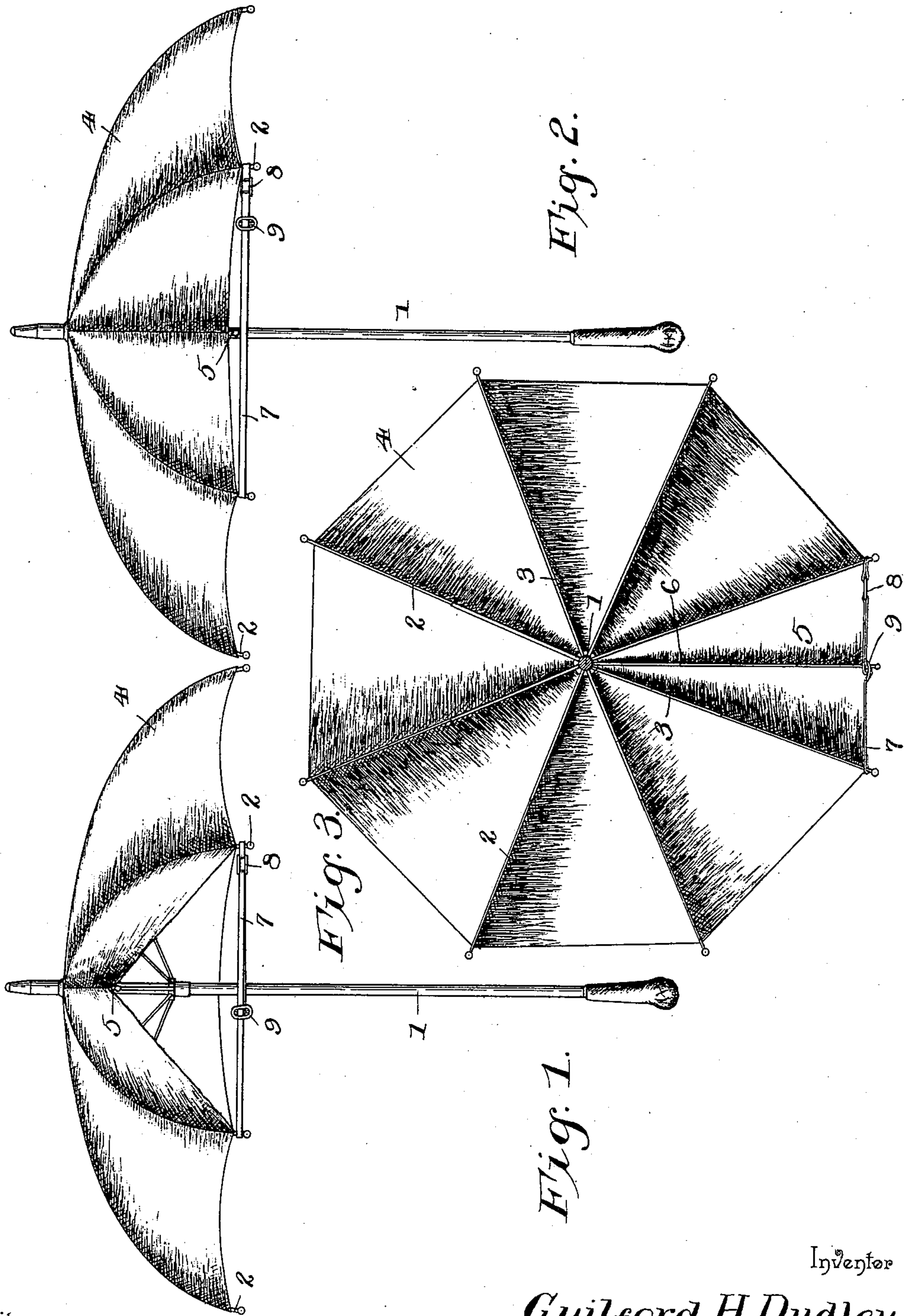


(No Model.)

G. H. DUDLEY.
UMBRELLA.

No. 567,082.

Patented Sept. 1, 1896.



Witnesses

Chas. A. Ford.

J. F. Piley

By his Attorneys,

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UNITED STATES PATENT OFFICE.

GUILFORD HENRY DUDLEY, OF MEDFORD, MASSACHUSETTS.

UMBRELLA.

SPECIFICATION forming part of Letters Patent No. 567,082, dated September 1, 1896.

Application filed August 10, 1895. Serial No. 558,889. (No model.)

To all whom it may concern:

Be it known that I, GUILFORD HENRY DUDLEY, a citizen of the United States, residing at Medford, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Umbrellas, of which the following is a specification.

The invention relates to improvements in umbrellas.

The object of the present invention is to improve the construction of umbrellas, and to provide one which will afford a clear view without exposing the user, and which will present an appearance similar to an ordinary umbrella, and which will be readily adjustable to convert it into an ordinary umbrella.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a side elevation of an umbrella constructed in accordance with this invention and arranged to provide an opening to afford a clear view. Fig. 2 is a similar view, the parts being arranged similar to an ordinary umbrella. Fig. 3 is a reverse plan view, the parts being arranged as shown in Fig. 1.

1 designates an umbrella comprising a stick, normal ribs 2, arranged at regular intervals, braces 3, and a cover 4, constructed and arranged similar to the ordinary umbrella. Between two of the normal ribs 2 is arranged a supplemental or abnormal rib 5, dividing the space between those ribs and forming narrow intermediate portions of the cover 4 and supported by a brace 6, constructed similar to the other braces, and the said ribs 2 at opposite sides of the supplemental rib are connected by an adjustable band or strap 7, constructed of any suitable material. The strap 7 has one end secured to one of the ribs, and it is passed through an eye or ring 8, connected to the other rib; and the other end of the strap 7 is provided with a slide 9, arranged on the main portion of the strap and capable of moving longitudinally thereof to vary the length of the connection for the purpose of drawing the ribs together or allowing them to spread naturally.

When the ribs 2 are drawn together, as illus-

trated in Figs. 1 and 3 of the accompanying drawings, to slacken the narrow portions of the cover at opposite sides of the abnormal rib, the supplemental rib 5 springs upward above the plane of the adjacent portions of the normal ribs, arches the cover between the ribs, and raises the same above the plane of the rest of the umbrella-cover, and thereby provides a look-out opening or space to afford a clear view to the user without exposing him to the weather. When it is not desirable or necessary to form the opening 10, the strap may be let out and the umbrella will present the appearance of an ordinary umbrella, as will be clearly seen from Fig. 2 of the accompanying drawings.

It will be seen that the umbrella is simple and inexpensive in construction, that it may be readily arranged to afford an observation-opening without exposing the user, and that it may be readily arranged to present the appearance of an ordinary umbrella.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

1. The combination of an umbrella having a continuous unbroken cover and provided with a series of normal ribs arranged at regular intervals and supported by braces, a supplemental or abnormal rib 5 extending from the stick of the umbrella to the extreme outer edge or periphery of the cover, arranged between two of the normal ribs of the umbrella, and dividing the space between them to form narrow intermediate portions of the cover, the outer portion of said supplemental or abnormal rib being arranged to spring upward above the plane of the outer portions of the normal ribs, when the adjacent normal ribs are drawn toward each other, to slacken the intermediate portion of the cover, a brace extending from the runner of the umbrella to the supplemental rib and supporting the latter, and an adjustable connection between the two normal ribs, at opposite sides of the abnormal rib, said connection being adapted to draw the normal ribs laterally toward each other, whereby the abnormal rib is caused to spring upward and form an observation-open-

ing, said connection when released causing the umbrella to present an appearance similar to an ordinary umbrella, substantially as described.

- 5 2. The combination of an umbrella having a continuous unbroken cover, of a supplemental rib extending from the stick of the umbrella to the extreme outer edge or periphery of the cover and arranged between two
10 of the ordinary ribs of the umbrella, a brace extending from the stick to the supplemental rib and supporting the latter, and an adjustable strap having one end permanently secured to one of the side ribs and loosely connected with the other side rib and provided
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at its other end with a slide arranged on the body portion of the strap and adapted to be moved along the same, whereby the ribs are drawn together to cause the entire intermediate portion of the cover to be arranged or
20 let out to cause the umbrella to present the appearance of an ordinary umbrella, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
25 the presence of two witnesses.

GUILFORD HENRY DUDLEY.

Witnesses:

GEO. H. DUDLEY,

CHAS. G. BROWNE.