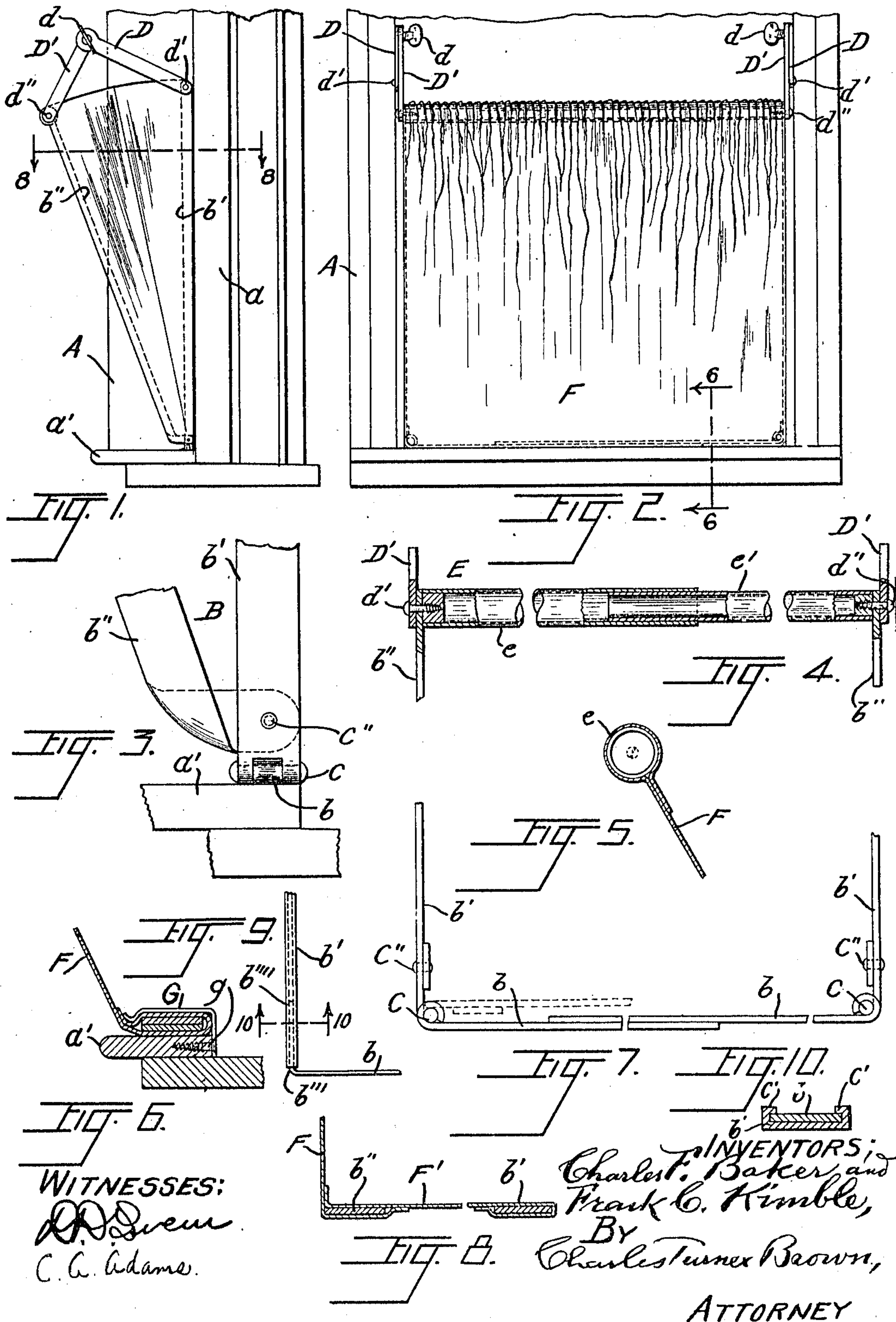


C. F. BAKER & F. C. KIMBLE.
 COMBINED RAIN AND WIND SHIELD.
 APPLICATION FILED MAY 17, 1909.

950,505.

Patented Mar. 1, 1910.



UNITED STATES PATENT OFFICE.

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950,505.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, CHARLES F. BAKER and FRANK C. KIMBLE, citizens of the United States, and residents of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Combined Rain and Wind Shields, of which the following, when taken in connection with the drawing accompanying and forming a part hereof, is a full and complete specification, sufficient to enable those skilled in the art to which it pertains to understand, make, and use the same.

The object of the invention is to obtain a device which may be readily put in place in a window frame so as not interfere with the raising of the lower sash of the window, or the closing of the same, and which when in place will prevent wind blowing horizontally into the room and will direct the current of air entering the room upward.

A further object of the invention is to obtain a device of the character described which, within certain determined limits, can be adjusted to different widths of window frames.

A further object is to obtain a device of the character described which, when properly set in place, may be adjusted to vary the opening through which a current of air enters the room and also to vary the direction of said current.

A further object of the invention is to obtain a device which will be sightly in appearance, strong, durable and not liable to get out of order, and easy to attach in place in a window frame.

In the drawing referred to Figure 1 is an end elevation of the device embodying the invention, showing in elevation one side of a window frame to which it is attached. Fig. 2 is a front elevation of the device embodying the invention and of a window frame to which the device is attached. Fig. 3 is a side elevation of the lower portion of one end of the frame of the device. Fig. 4 is a longitudinal sectional view of adjustable tubes forming elements in the device, and a lateral section of the ends of adjacent parts of the frame, which are pivotally attached to said tubes. Fig. 5 is an end view of one of the adjustable tubes of the device showing a sectional view of the flexible material of the device adjacent thereto. Fig. 6 is a sectional view on line 6—6 of Fig. 2, viewed in the direction indicated by the ar-

rows. Fig. 7 is a side elevation of a portion of the frame of the device, with the flexible material covering said frame removed therefrom. Fig. 8 is a sectional view on line 8—8 of Fig. 1, viewed in the direction indicated by the arrows. Fig. 9 is a side elevation of the lower portion of one end of a modification of the frame of the device. Fig. 10 is a section on line 10—10 of Fig. 9, viewed in the direction indicated by the arrows. Figs. 3 to 10, both inclusive, are on a scale enlarged from the scale of Figs. 1 and 2.

A reference letter applied to designate a given part is used to indicate such part throughout the several figures of the drawing wherever the same appears.

A is a window frame, *a* being the part thereof where the lower sash of the window moves, and *a'* the sill.

B is that part of the frame of the device, which is attached to the window frame, and consists of parts *b*, *b*, *b'*, *b'*, *b''*, *b''*. Parts *b*, *b*, *b'*, *b'*, are as shown in the drawing made of thin strips or ribbons. In the construction illustrated in Fig. 3 parts *b* and *b'* are shown as hinged together, and C is the pintle of the hinge. In the modified construction illustrated in Figs. 9 and 10 the part *b* is turned upward at *b'''* and the vertical part *b''''* thereof slides in grooves made by turning up the sides C' of part *b'*, (Fig. 10). In the modified construction the parts *b*, *b'* are separable. The part *b''* is pivotally attached to part *b'* by pivot C''. Parts *b'* and *b''* are secured in a determined relative position by arms D, D', and set bolt *d*, and said arms D, D', are pivotally attached to the parts *b*, *b''*, by the pivots *d'*, *d''*.

E is a two part tube connecting parts *b''*, *b''* together. Part *e* of tube E fits over part *e'* thereof, and adjustment of said tube to fit a given width of window frame is obtained by simply sliding part *e'* into part *e* the proper distance. As will be seen in Fig. 4 the pivot *d'* which secures the connection D' to part *b''* also pivotally secures said parts to tubes *e*, *e'*.

The entire frame of the device includes part B and the two part tube E; and said frame is covered with flexible material F, to form a shield provided with ends. The fabric is gathered as it is termed, on the two part tube E and on parts *b*, *b*, of the frame. The number and depth of the gath-

ers varies according to the width of the window opening, and the consequent sliding of tubes *e*, *e'*, and parts *b*, *b'*, together. We have used cloth made water proof by
 5 paraffin, but we may of course use mercerized fabric as it is termed rubber covered fabric or other suitable material.

We have secured the device in place in the window frame by clips *G*, *G'*, and said
 10 clips are secured to sill *a'*.

g are screws extending through clips *G* and into the sill *a'*.

The device is used, when the lower sash of the window is raised, to deflect the in-
 15 coming current of air upward and also to prevent rain beating through the window opening, and connections *D*, *D'*, are suitably adjusted to produce the effect desired.

Having thus described our invention what
 20 we claim as new and desire to secure by Letters Patent is:—

1. A frame consisting of a base comprising a plurality of horizontal members and a corresponding number of vertical mem-
 25 bers respectively attached to opposite ends of the horizontal members of the base, a corresponding number of additional members pivotally attached near the lower ends thereof to the vertical members, tubes and
 30 connections, each of said connections consisting of a plurality of members, one of said tubes and one member of said connections pivotally attached to one of the additional members on the frame, and the re-
 35 maining members of the connections pivot-

ally attached to the first named members of said connections and to the vertical members of the frame, means to maintain said connection in a determined position, in combination with flexible material arranged
 40 to cover said frame, and means to attach the frame to a window frame.

2. A frame consisting of a base comprising a plurality of horizontal members and a corresponding number of vertical mem-
 45 bers respectively attached to opposite ends of the horizontal members of the base, a corresponding number of additional members pivotally attached near the lower ends thereof to the vertical members, tubes and
 50 connections, each of said connections consisting of a plurality of members, one of said tubes and one member of said connections pivotally attached to one of the ad-
 55 ditional members on the frame, and the remaining members of the connections pivotally attached to the first named members of said connections and to the vertical members of the frame, means to maintain
 60 said connections in a determined position, in combination with flexible material arranged to cover said frame, said flexible material arranged to be gathered on the tubes and on the horizontal members, and means to attach the frame to a window frame.

CHARLES F. BAKER.

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In the presence of—

CORA A. ADAMS,

CHARLES TURNER BROWN.