June 6, 1950 A. D. WATERS ET AL 2,510,845

WINDOW SILL PROTECTOR

Filed Nov. 27, 1945

FIG. 1

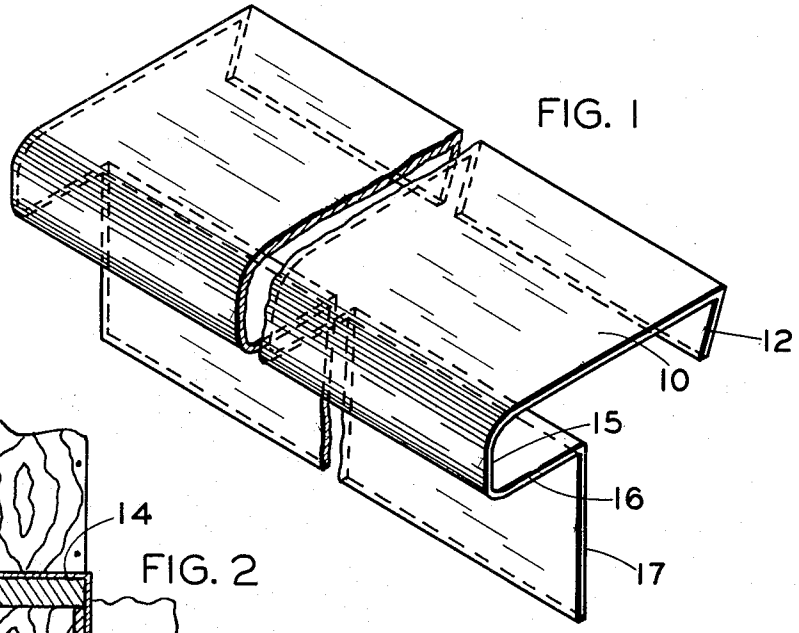



FIG. 2

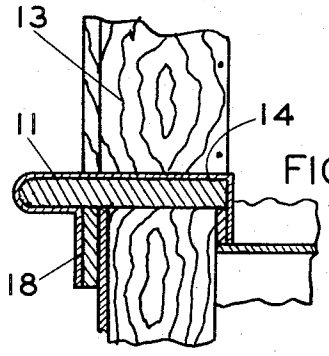
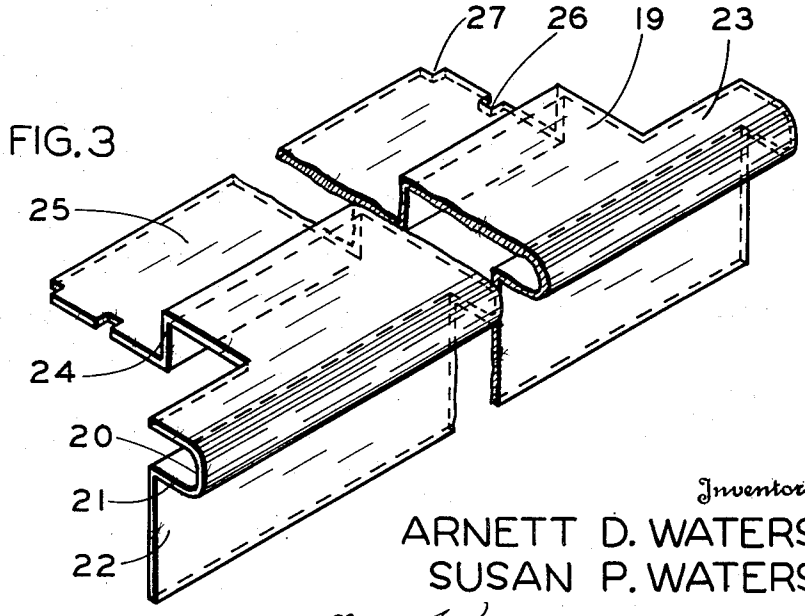



FIG. 3




Inventor

ARNETT D. WATERS

SUSAN P. WATERS

By Kimmel & Crowell

Attorneys

Patented June 6, 1950

2,510,845

# UNITED STATES PATENT OFFICE

2,510,845

## WINDOW SILL PROTECTOR

Arnett D. Waters and Susan P. Waters,
Savannah, Ga.

Application November 27, 1945, Serial No. 631,028

4 Claims. (Cl. 20—11)

1

This invention relates to a combined sill protector and reflector for window frames.

An object of this invention is to provide a protecting cover for a window sill which can be made out of suitable material, such as plastic or the like, and provided with desired reflecting characteristics so that sunlight may be reflected therefrom onto the ceiling of the room.

Another object of this invention is to provide a sill protector of this kind which can be clamped over the sill of the window and extended downwardly over the facing strip or apron on the inner side of the window frame.

A further object of this invention is to provide a protecting cover for a sill which is of waterproof construction, and may be formed of relatively thin material such as plastic or the like, which will protect the finish of the sill and at the same time may reflect light rays from the sun.

A further object of this invention is to provide a cover of this kind which may be made either in opaque or transparent or translucent form, and may be made from plastic material or the like.

With the foregoing objects in view, and others which may hereinafter appear, the invention consists of the novel construction, combination and arrangement of parts, but it will be understood that changes, variations and modifications may be resorted to which fall within the scope of the invention, as claimed.

In the drawings:

Figure 1 is a perspective view, partly broken away, of a sill protector constructed according to an embodiment of this invention.

Figure 2 is a sectional view, taken through the protector, showing the protector mounted on a window sill.

Figure 3 is a perspective view, partly broken away, of a modified form of this invention.

Referring to the drawing the numeral 10 designates an elongated flat sheet of material of a resilient nature such as plastic as heretofore specified, which is adapted to be horizontally disposed, and engaged over the upper side of a window sill 11 to form a protective cover or shield with a depending outer edge flange 12. The elongated member 10 is of a length to extend between the vertical side frame members 13 of the window frame, and the outer edge of the horizontal member 10 has extending downwardly therefrom a flange or clamping member 12.

Initially the flange 12 is disposed on a substantially acute angle relative to the upper member 10 so that when in applied position the flange 12 will tightly resiliently and frictionally clamp against the outer edge 14 of the seal 11.

2

The inner edge portion of the protective shield cover member 10 is formed with a depending or downwardly extending flange 15 molded or pressed to form a rounded edge portion or channel which is engageable over and conforms to the inner edge of the sill 11, and an outwardly extending between portion or flange member 16 extends from the lower edge of the depending or rolled flange 15, and is engageable resiliently and frictionally beneath the sill 11 on the inner side of the window structure to effectively hold the cover or shield in conforming position in conjunction with the depending flange 12.

The lower horizontal member 16 has depending therefrom at its outer edge, an apron or facing covering plate 17 which is adapted to extend across and cover the inner vertical side of a facing strip 18 forming part of the window structure over the plaster or other wall beneath the sill 11. Preferably the lower, outwardly extending member 16 is disposed on an upward and outward inclination so that when the lower member 16 is engaged with the inwardly extending portion of the sill 11, the lower member 16 will form a clamp for resiliently and frictionally gripping and tightly holding the inner portion of the upper covering 10 against the upper surface of the sill 11, especially in conjunction with the flange 12.

Referring now to Figure 3, there is disclosed a modified form of this invention. An upper sill covering member 19 is adapted to engage over the upper surface of the sill, and is formed at its inner edge with a depending member 20 like member 15 engageable over the inner edge of the sill, and a lower clamping member 21 corresponding to member 16 extends outwardly from the depending member 20.

The clamping member 21 has depending therefrom a facing covering plate or apron 22 which is adapted to be vertically disposed and to cover the inner surface of the facing strip which is positioned beneath the sill.

In the present form the cover 19 is formed at the opposite ends thereof with channel extensions 23, which are narrower than the covering member 19, and are engageable over the outwardly extended end portions of the sill which extend beyond the vertical sides of the window frame. The outer edge of the covering member 19 is formed with a right angularly disposed depending flange 24 which engages against the outer edge of the sill, and a horizontally outwardly disposed plate portion or flange 25 extends from the lower edge of the flange 24.

The plate portion or flange 25 is adapted to engage the upper surface of the lower hori-

zontal frame member forming the window frame, and the opposite ends of the plate portion or flange 25 are formed with a pair of notches 26 within which the parting stops are adapted to engage. The plate portion or flange 25, at the outer edge portion thereof, is also formed with notches 27 within which the outer sash stop is adapted to engage.

We claim:

1. As a new article of manufacture, a protector for a window sill comprising a unitary member of sheet material formed to have a horizontally extending main body part for overlying the upper surface of the sill, and an outer part which depends downwardly from the outer edge of said body part, and an inner part which extends downwardly from the inner edge of said body part and then outwardly to form a U-shaped clamping portion having its open end directed outwardly so as to be engageable with the inner edge portion of the sill, said outer part being adapted to engage the outer side of the window frame.

2. As a new article of manufacture, a protector for a window sill comprising a unitary sheet of plastic material formed to have a horizontally extending main body part for overlying the upper surface of the sill, an outer part which depends downwardly from the outer edge of said body part, and an inner part which extends downwardly from the inner edge of said body part and then outwardly to form a U-shaped clamping portion having its open end directed outwardly so as to be engageable with the inner edge portion of the sill, said outer part being adapted to engage the outer edge of the window sill.

3. A protector for a window sill, comprising a unitary member of sheet material formed to have a substantially horizontally disposed main body part and an outer part which depends downwardly from the outer edge of said body part and then outwardly in substantial parallelism with said body part, and an inner part which extends downwardly from the inner edge of said body part and then outwardly to form a U-shaped clamping portion having its open end directed outwardly so as to be engageable with the inner edge portion of the sill, said outer part being provided with notches in its opposite ends adapted to receive the parting stops of the window.



4. A protector for a window sill of a window frame, which sill extends inwardly of the window frame and retaining wall of a building having a window opening in which the frame is fitted and having end portions extended outwardly beyond the vertical sides of the window frame and a facing strip or apron depending below the sill at the inner side of the wall spaced from the inner edge of the sill comprising a single sheet of resilient light reflecting plastic material formed with a substantially horizontally disposed main body part to rest on the top of the sill and an outer part depending downwardly from the outer edge of said body part to engage over the outer edge of the sill and then outwardly from the bottom edge of said depending part in substantial parallelism with said body part, an inner part extending downwardly from the inner edge of said body part and then outwardly to form a U-shaped clamping portion closed at its inner side and open at its outer side so as to receive and frictionally engage under the inner edge portion of the sill and having its ends extending beyond the ends of the body part to engage over the outwardly extended end portions of the sill which extend beyond the vertical sides of the window frame, said outer part being provided with notches in its opposite ends adapted to receive the parting strips and outer stops of the window frame.

ARNETT D. WATERS.
SUSAN P. WATERS.


REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

| Number | Name | Date |
|---|---|---|
| 1,921,040 | Reynolds | Sept. 24, 1929 |