(No Model.)

I. SAGE.

RAIN PROTECTOR FOR CHIMNEYS AND ROOFS.

No. 280,085. Patented June 26, 1883.

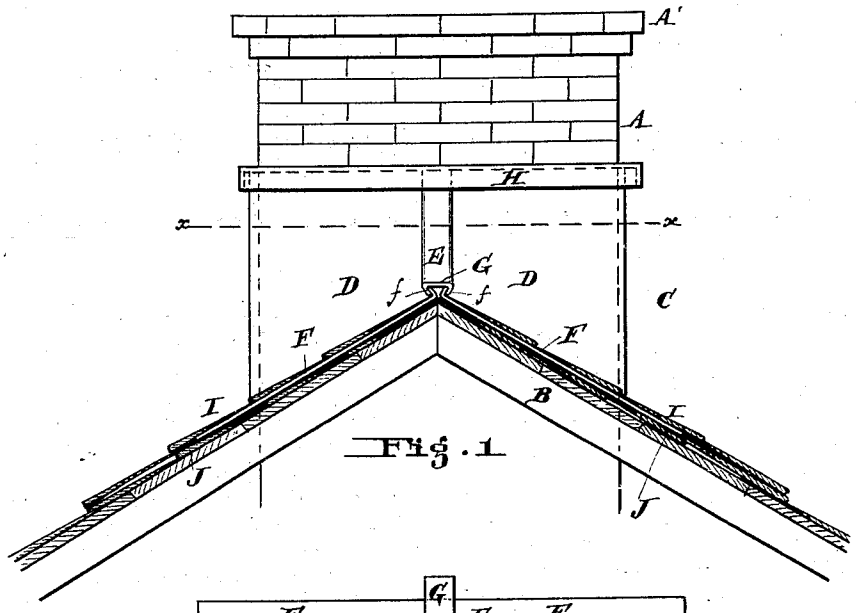


Fig. 1

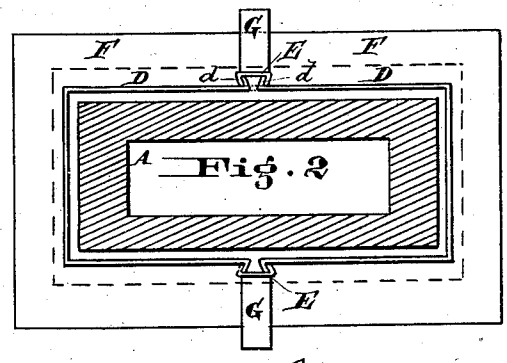


Fig. 2

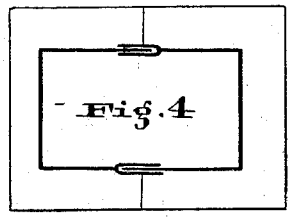


Fig. 4

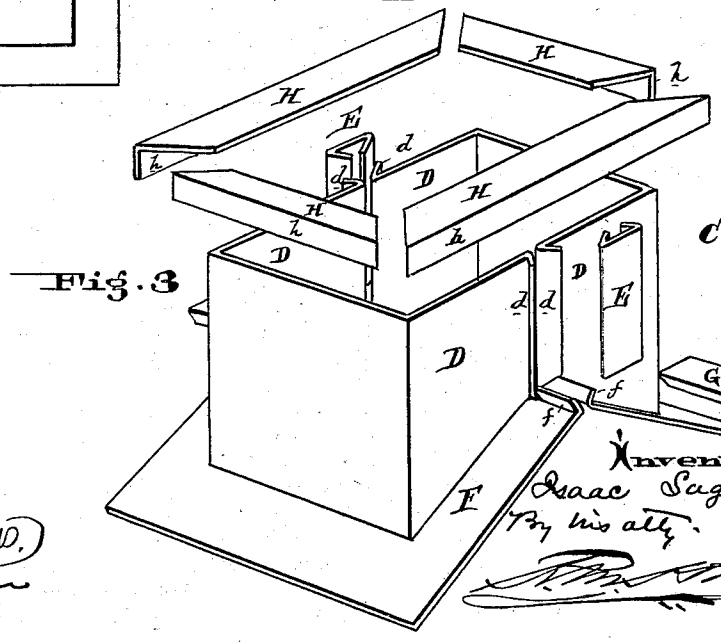


Fig. 3

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L. J. Mills.
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Inventor
Isaac Sage
By his atty.
[signature]

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

ISAAC SAGE, OF PLEASANTVILLE, NEW JERSEY.

RAIN-PROTECTOR FOR CHIMNEYS AND ROOFS.

SPECIFICATION forming part of Letters Patent No. 280,085, dated June 26, 1883.

Application filed December 29, 1882. (No model.)

To all whom it may concern:

Be it known that I, ISAAC SAGE, of Pleasantville, in the county of Atlantic and State of New Jersey, have invented an Improvement in Rain-Protectors for Chimneys and Roofs, of which the following is a specification.

My invention has reference to devices to prevent the passage of rain through the aperture in the roof around the chimney; and it consists in certain improvements in an adjustable tin or sheet-iron casing which encircles the chimney and fits the ridge of the roof, as more fully set forth in the following specification, shown in the accompanying drawings, which form part thereof, and pointed out in the claims.

The object of this invention is to protect the interior of the house against the passage of rain through the aperture in the roof through which the brick chimney extends, this invention being adapted to shingled, slate, or gravel roofs.

In the drawings, Figure 1 is an elevation of a part of a roof, chimney, and my improved casing. Fig. 2 is a sectional plan of same on line *x x*. Fig. 3 is a perspective view of all the parts of my protector disconnected, but arranged in the proper relative position. Fig. 4 is a plan view of a modified form of my protector.

A is the chimney, B is the roof, and C is my improved protector, which is made of sheet tin or iron, and made in two ⊔-shaped sections, D D, arranged to encircle the chimney and face each other, thus: [ ]. The bottom edges of these sections are provided with oblique flanges F, made to fit the pitch of the roof. The two free edges of the sections D and upper edges of the flanges F are bent outwardly, forming, respectively, the ribs *d d f f*. If the roof is shingled, the case-sections D D are placed around the chimney, the flange F resting upon the shingles. Then pieces E E and G G are respectively slid over the ribs *d* and *f*, which form dovetailed joints, as shown.

J are the lower shingles, and I is an upper layer of shingles, which rest upon the flange F and hold it down, and prevent any possibility of rain getting in between the tin flange and lower shingles. This enables the protector to be applied to houses already built. In place of the dovetailed joint above described, I may use the slip-joint shown in Fig. 4, and, if desired, the upper edge of one flange may be bent over upon the other.

The caps H are made in four sections, and have the downwardly-projecting flanges *h*, to lap over the casing D and its joints. They are secured to the brick-work of the chimney, when the same is already built, by routing out some of the mortar and inserting them between the bricks, leaving their flanged edges outward.

The enlarged tops A′ of the chimneys A necessitate the use of adjustable protector-casings, such as set forth.

I do not limit myself to the exact construction shown, as the joints may be made in various ways, as my invention comprehends sections D D, combined with means to join them together without the necessity of the use of solder.

If desired, the two sections D may be formed in one piece on one side, and simply have the joint on the other side, for then the tin can be bent so as to encircle the chimney and then straightened.

The device is so simple that any mason, carpenter, builder, or tinsmith or mechanic can readily put it in place on the roof.

I am aware of the patent granted to Stokeley, No. 226,074, of 1880, and claim nothing therein shown or described.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sheet-metal rain-protector for roofs and chimneys, which consists of a metal casing split vertically in one or more places, and adapted to inclose the chimney, but without being secured to same, in combination with means to clamp or secure the separated edges of said casing together without solder, to form a complete closed case about said chimney, substantially as set forth.

2. A sheet-metal rain-protector for roofs and chimneys, which consists of two ⊔-shaped sections adapted to inclose the chimney, and provided on their bottoms with oblique flanges, in combination with means to secure said sections and flanges together in a line with the ridge of the roof, the roof, the chim-

ney, and a cap to fit over the top of said sections, substantially as and for the purpose specified.

3. The combination of sections D, provided with ribs *d*, dovetailed pieces E, and chimney A, substantially as shown.

4. The combination of sections D, provided with ribs *d*, and flanges F, having ribs *f*, dovetailed pieces E and G, roof B, chimney A, and cap-pieces H, substantially as set forth.

In testimony of which invention I hereunto set my hand.

ISAAC SAGE.

Witnesses:
R. M. HUNTER,
J. ALFRED SMITH.