B. GALLUP.

FOLDING SHINGLE BRACKET.

APPLICATION FILED JAN. 22, 1914.

1,154,855. Patented Sept. 28, 1915.

Fig. 1.

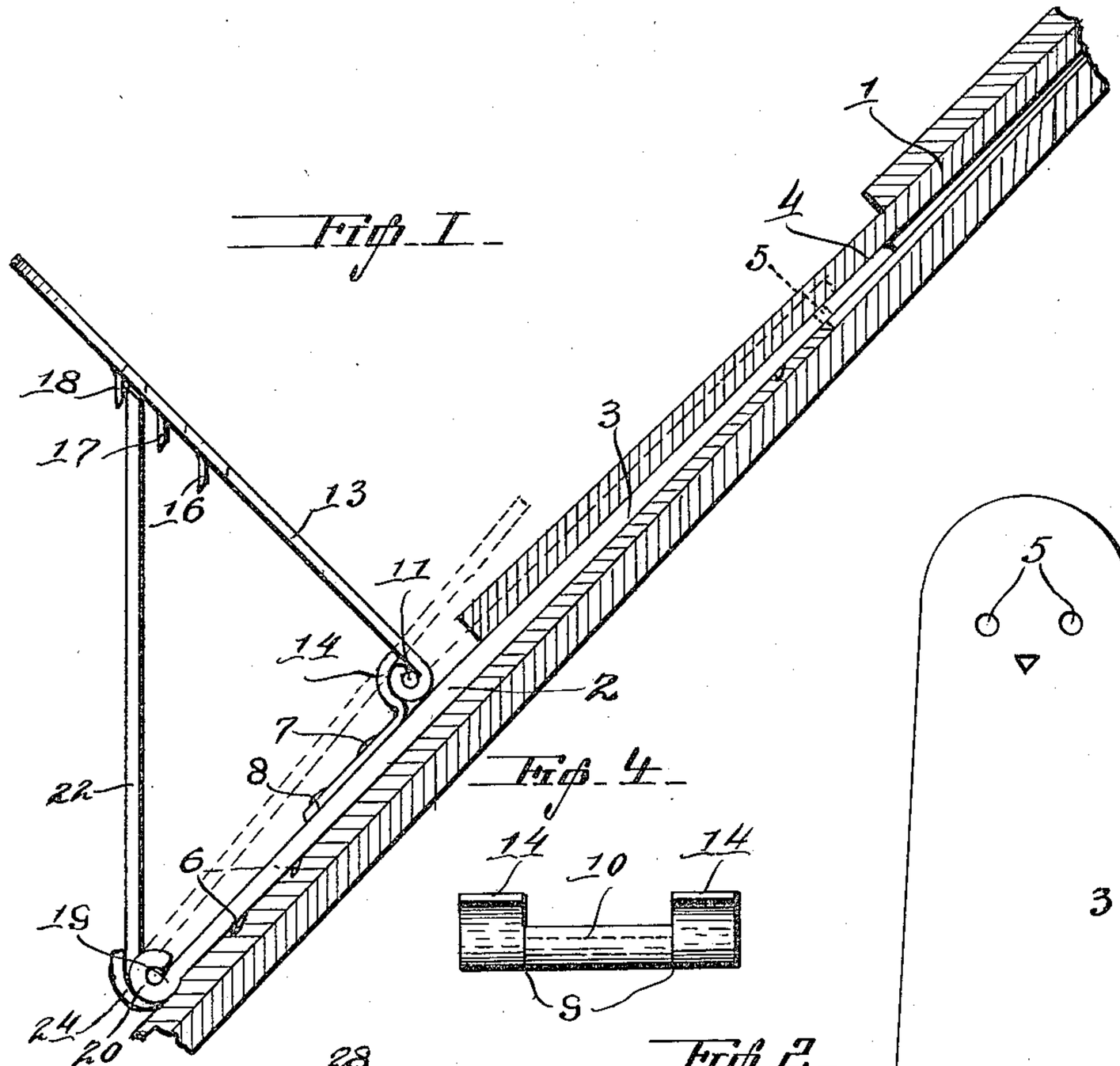


Fig. 4.

Fig. 2.

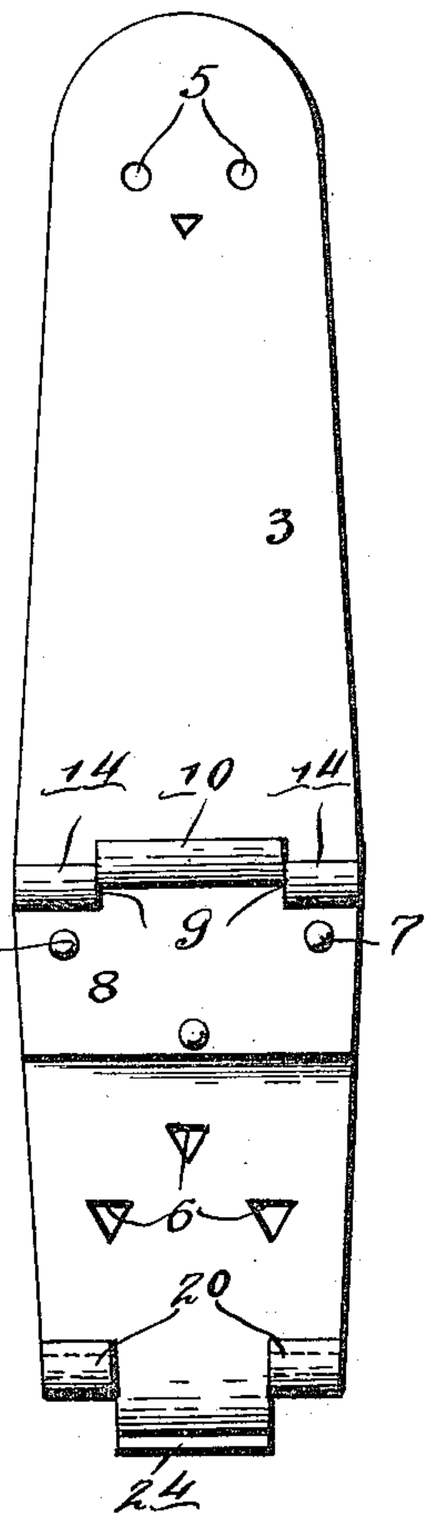


Fig. 6.

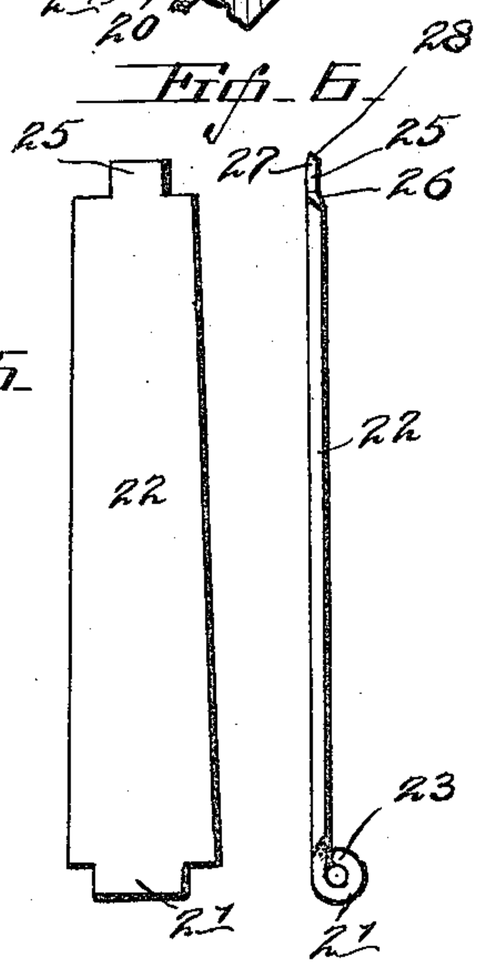
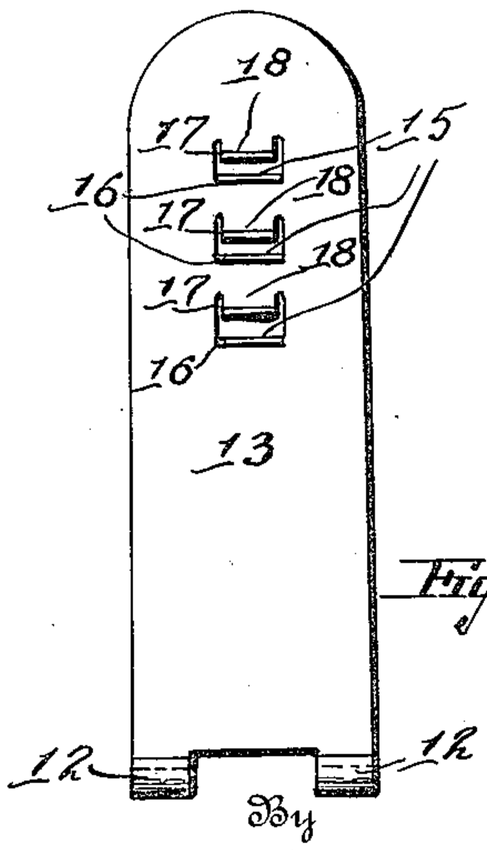


Fig. 5.

Fig. 3.



Witnesses

E. S. Hall.

H. H. Downing

Inventor

Benjamin Gallup,

Richard Barwen,

his Attorney

By

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BENJAMIN GALLUP, OF NORWICH, CONNECTICUT.

FOLDING SHINGLE-BRACKET.

1,154,855. Specification of Letters Patent. **Patented Sept. 28, 1915.**

Application filed January 22, 1914. Serial No. 813,793.

To all whom it may concern:

Be it known that I, BENJAMIN GALLUP, a citizen of the United States, residing at Norwich, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Folding Shingle-Brackets, of which the following is a specification.

My invention relates to folding shingle brackets and more particularly to a device for facilitating the laying of shingles.

The primary object of my invention is to provide a novel means for releasably holding the supporting rod in various adjusted positions.

Another object of my invention is to provide a novel means for positively preventing the backward swinging of the supporting rod and the brace.

A further object of my invention is to provide a device that is simple in construction, efficient in operation and one that can be manufactured and placed upon the market at a minimum cost.

Other objects as well as the nature, characteristic features and scope of the invention will be more clearly understood from the following description taken in connection with the accompanying drawings.

In the drawings: Figure 1, is a side elevational view of my invention applied to a portion of the shingling on a roof. Fig. 2, is a top plan view of the base plate. Fig. 3, is a front elevational view of a supporting rod. Fig. 4, is a front elevational view of the supporting plate. Fig. 5, is a plan view of the brace. Fig. 6, is a side elevational view of the brace.

Referring more particularly to the drawings in which similar reference numerals designate like or corresponding parts, the numeral 1, designates a portion of the shingling to which is detachably secured my improved shingle bracket 2, formed preferably of metal and each part thereof being formed from the same piece.

My improved bracket 2, in this instance, consists essentially of an elongated base plate 3, tapered at one end 4, thereof, so that the same may be forced beneath a shingle for holding the bracket and preventing the same from slipping. The tapered end 4, is also provided with apertures 5, for the reception of a fastening member, (not shown) when there are no shingles to aid in securing the device. In order to further hold the base plate 2, in a rigid position on the roof, I have struck out from the bottom face adjacent the opposite end thereof, spurs 6, for engagement with the roof.

Rigidly mounted upon the upper face of the base plate 3, approximately intermediate the ends of the same by means of rivets 7, is a hinge plate 8, the forward end of which is slit as at 9, and a portion lying between the points 9, is rolled upon itself to form a hinge pintle receiving connection 10, with which is pivotally connected by means of a pin 11, the bifurcated rolled end 12, of a supporting board 13. The portions of the plate 8, lying between the points 9 and the marginal edges of the plate are bent backward arcuately to form stops 14, for limiting the rearward movement of the board 13. The upper end of the board 13, is provided with a plurality of struck-out alining openings 15, the lower ends of which are cut diagonally as at 16, to form a beveled edge 17, for the lips 18, for a purpose to be hereinafter described.

For the purpose of bracing the supporting board 13, in various adjusted positions, I have pivotally mounted by means of a pin 19 between the hinge connection 20, formed on the rear end of the base plate 3, by slitting the same inwardly and rolling the portions of the marginal edges thereof upon themselves, the reduced rolled end 21, of the brace 22. The shoulders 23 formed by reducing the end 21, are beveled to allow the brace to work freely about the hinge connection 20. In order to limit the movement of the brace I have bent a portion of the base plate 3, between the hinge connection 20, arcuately upward to form a stop 24. The outer end of the brace is reduced to provide a tongue 25, for engagement with the openings 15, and the lips 18, the latter serving to support the tongue when engaged in one of the openings. The shoulders 26, adjacent the tongue 25 are beveled to allow the same to fit snugly against the surface of the board 13, about the openings 15 and the beveled edge 16 of the same. In order to permit of the tongue having snug engagement with the opening I have beveled the top of the same as at 27 so as to allow the same to conform with the beveled edge 17 of the lips 18, and have further provided the extreme outer end of the tongue with a

beveled edge 28, in order that the latter will lie flush with the contacting face of the rod 13.

It will be observed from the dotted lines in Fig. 1, of the drawings that I have provided an efficient device and one that can be easily folded into a compact form.

It will be obvious to those skilled in the art to which this invention relates that modifications may be made in detail without departing from the spirit or scope of the invention.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A device of the character described including a tapered base plate, a supporting board pivotally connected thereto substantially intermediate the ends thereof, a pintle connection formed upon the enlarged end of said plate, by slitting the same upwardly at points adjacent the longitudinal edges thereof, and by rolling the portions adjacent the edges upon themselves, a brace for adjustable engagement with said board pivotally mounted in the pintle connection, and a stop for limiting the outward movement of the brace formed by bending the portion of the plate intermediate the slits upwardly and arcuately.

2. A device of the character described comprising a relatively flat base plate, the forward end of the plate having its upper and lower surfaces tapered toward each other for facilitating the engagement of the plate with adjacent shingles, means on the plate for engagement with the shingles for preventing sliding movement of the plate, a pintle carrying element carried by the upper surface of the plate at a point substantially intermediate the ends thereof, a supporting board pivotally connected to said pintle carrying element, stop members formed by bending portions of said pintle carrying element upwardly and arcuately, said stop members limiting the accidental rearward movement of the supporting board, a pintle carrying connection formed on the enlarged end of the plate, a brace mounted between said last mentioned pintle connection, a stop for limiting the outward swinging movement of the brace formed on the enlarged end, said brace being adaptable for adjustable engagement with said supporting plate.

In testimony whereof I affix my signature in presence of two witnesses.

BENJAMIN GALLUP.

Witnesses:
JOSEPH H. BUTTON,
ANDREW CODERRE.