April 29, 1924.

1,492,469

H. F. KANGIESER

STUCCO WIRE CLAMP

Filed Dec. 8, 1922

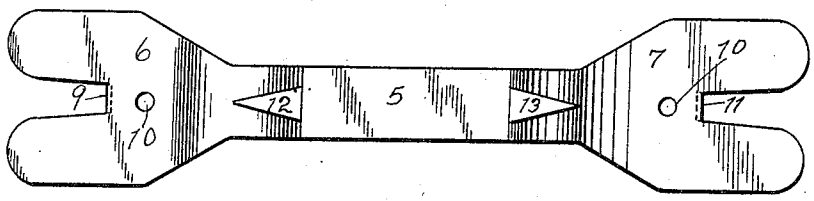


Fig. I.

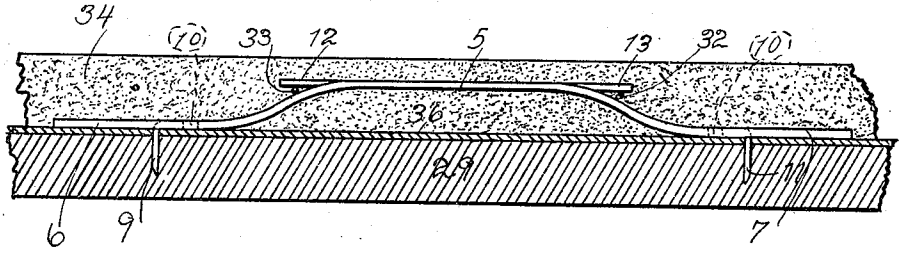


Fig. II.

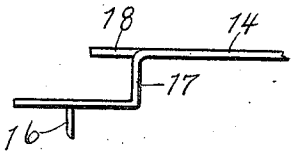


Fig. III.

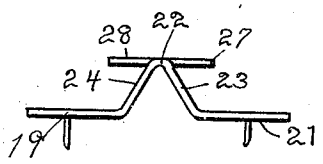


Fig. IV.

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UNITED STATES PATENT OFFICE.

HENRY F. KANGIESER, OF PALO ALTO, CALIFORNIA.

STUCCO-WIRE CLAMP.

Application filed December 8, 1922. Serial No. 605,658.

To all whom it may concern:

Be it known that I, HENRY F. KANGIESER, a citizen of the United States of America, residing at Palo Alto, in the county of Santa Clara and State of California, have invented new and useful Improvements in Stucco-Wire Clamps, of which the following is a specification.

This invention relates to a new and useful improvement in stucco wire clamps.

The principal object of this invention is to produce a clamp or wire holder which is adapted to be secured to the side of a house for the purpose of retaining the mesh wire over which stucco is applied.

Another object is to produce a clamp of this nature which is simple in construction and therefore cheap to manufacture.

Another object is to provide a clamp which will have a substantial width and thereby also serve as a means of holding the customary building paper against the ordinary sheathing.

A still further object is to produce a clamp which will perform the above objects as well as act as a spacer thereby retaining the mesh wire a predetermined distance from the building.

Other objects and advantages will be apparent during the course of the following description:—

In the accompanying drawings forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is the top plan view of my device,

Figure 2 is a side elevation of Figure 1 showing my device in use,

Figure 3 is a fragmentary detailed view of a modified form of my device, and,

Figure 4 is another modified form of my device.

In applying stucco finish to buildings it is customary to apply a layer of building paper to the ordinary sheathing and then secure this paper by nails and metal washers, after which laths are nailed on at suitable intervals. These laths act as spacers for retaining a wire fabric such as expanded metal or chicken wire over and around which the plastic stucco is placed. This construction is expensive as considerable time is lost in applying of the paper, laths and wire. I propose to overcome these difficulties by providing a metal clamp or wire retaining element, which element will serve three purposes, that of holding the paper to the sheathing, holding the wires and spacing the wire from the building.

In the accompanying drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 5 designates the bridge portion of my clamp, while the numerals 6 and 7 designate end portions of a wider width than the bridge portion 5, as is best shown in Figure 1. These end portions are each bifurcated and the metal turned downwardly so as to form prongs as shown at 9 and 11.

By viewing Figure 2 it will be noted that my device as a whole is bent so that the bridge portion 5 is in a plane above the plane of the end portions 6 and 7. At 12 and 13 I have shown tongues stamped out of the bridge portion 5 and adapted to lie in the same plane thereof as is best shown in Figure 2. Referring now to Figure 3 it will be noted that the bridge portion 14 is connected to end portion 16 by vertical portion 17. This figure is a modification of the construction shown in Figure 2 where it will be noted that the bridge portion and the end portion are connected by curved portions. In the modification shown of Figure 3 the tongue 18 is stamped from the vertical portion 17. In Figure 4 I have shown an additional modification wherein the end portions are represented by the numerals 19 and 21 and the bridge portion by the numeral 22. This bridge portion is connected to the end portions by down extending connecting portions 23 and 24, forming an inverted V, out of which the tongues 27 and 28 are punched. This construction permits of a clamp of small size and using very little material which clamps are useful in small places such as cornices.

As before mentioned the prongs 9 and 11 are driven into the sheating 29 through the paper 31 as best shown in Figure 2. The mesh wire attached to the structure may be chicken wire or extended metal and is placed over the clamp in such a manner that two of the strands are engaged beneath the tongues 12 and 13 as shown at 32 and 33. After the building has thus been covered, stucco is then applied as shown at 34.

It is to be understood that the form of my invention herewith shown and described

is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangements of parts may be resorted to without departing from the spirit of the invention, or the scope of the subjoined claims.

Having thus described my invention, I claim:—

1. In a device of the character described, a bridge portion, end portions of greater width than said bridge portion, said end portion being bifurcated downwardly extending prongs formed between the bifurcated portions of the end, and tongues formed on said bridge portion substantially as and for the purpose described.

2. In a device of the character described, a bridge portion, end portions secured to said bridge portions, said end portions being in a plane below the plane of said bridge portion, said end portion being of greater width than said end portion and being bifurcated, downwardly extending prongs formed intregal with said end portions and tongues formed intregal with said end portions and in the same plane as said bridge portion substantially as and for the purpose described.

3. In a device of the character described a bridge portion, divided end portions formed integral with said bridge portion and in a plane below said bridge portion, downwardly extending prongs formed by the division of said end portion, and tongues formed on said bridge portion, for the purpose specified.

In testimony whereof I affix my signature.

HENRY F. KANGIESER.