W. B. PHILLIPS.

METALLIC STUD OR FURRING STRIP.

APPLICATION FILED MAY 17, 1909.

963,938. **Patented July 12, 1910.**

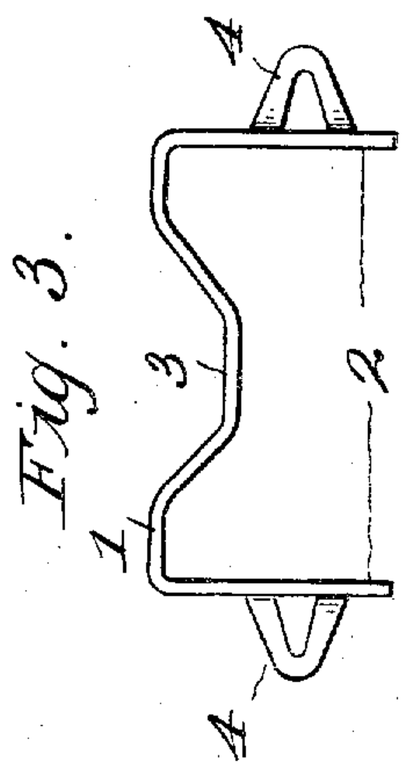

Fig. 3.

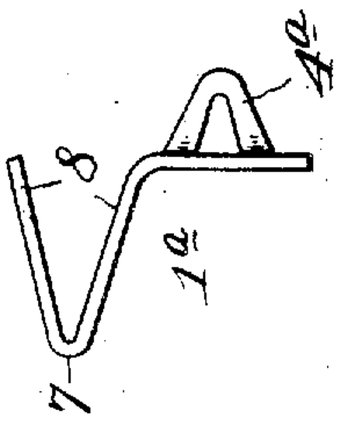

Fig. 4.

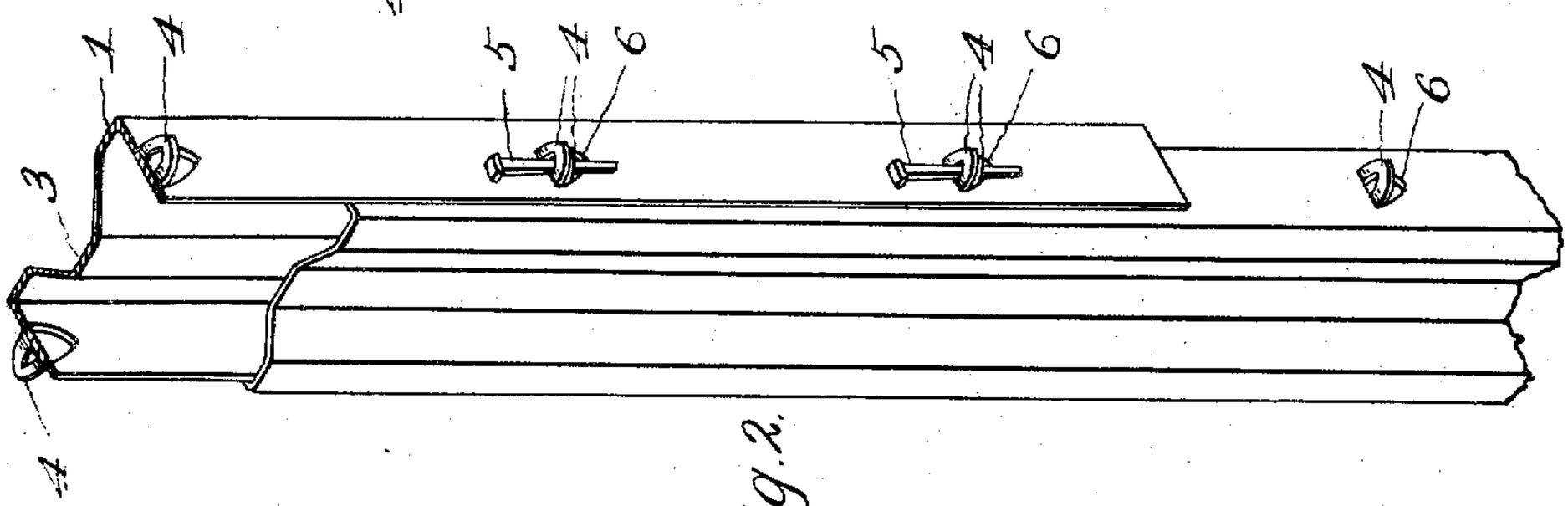

Fig. 2.

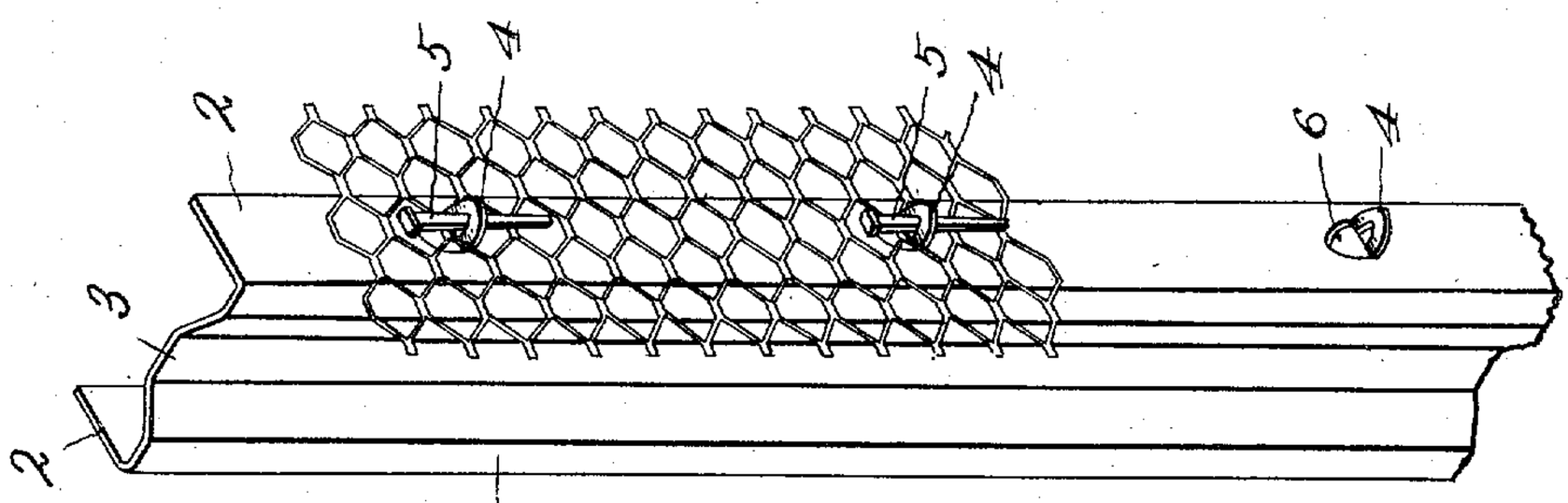

Fig. 1.

Witnesses

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UNITED STATES PATENT OFFICE.

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METALLIC STUD OR FURRING-STRIP.

963,938. Specification of Letters Patent. Patented July 12, 1910.

Application filed May 17, 1909. Serial No. 496,481.

To all whom it may concern:

Be it known that I, WALTER B. PHILLIPS, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in a Metallic Stud or Furring-Strip, of which the following is a specification.

This invention relates to improvements in a metallic stud or furring strip for use with perforated sheets or expanded metal lath now generally employed in fireproof construction, and one of my objects is to provide a simple and inexpensive stud of this character to which the lath may be quickly and reliably secured.

A further object is to provide a stud of such configuration in cross section that great rigidity may be obtained with thin or light sheet metal, and whereby two or more studs may be readily spliced together.

In order that the invention may be fully understood, reference will now be made to the accompanying drawing, in which:

Figure 1 represents a broken perspective of the metallic stud with metal lath attached thereto. Fig. 2 is a perspective of two studs spliced together. Fig. 3 is a plan view of the stud. Fig. 4 is a modified form of the stud.

In constructing the stud I roll or otherwise form it from a strip of sheet-metal and bend the same longitudinally to form a body portion 1, and a pair of wings 2, bent at right angles to said body portion. Body portion 1 is concaved at its central portion 3 to add to the rigidity thereof, so that the stud may be constructed from comparatively light metal.

Wings 2 are preferably parallel with each other and form two flat surfaces at opposite sides of the stud against which the lath is placed in constructing a hollow partition wall. Wings 2 have integral eyes or apertured lugs 4 struck therefrom and bent at right angles thereto so that the metal lath may be suspended from said eyes, to which it is reliably secured by pins or nails 5, which are placed through the eyes.

When the eyes are bent outwardly from the wings openings 6 are left in the same through which the eyes on the opposing stud may project when splicing two or more studs together, as shown in Fig. 2.

In the modified form, shown in Fig. 4, 1^a designates the stud, which has eyes 4^a projecting from but one side thereof to receive the lath which is plastered on both sides to form a thin but solid partition wall, the thickness of which extends from a point outside of the eyes to a point outside of the bend 7 formed by the V-shaped portion 8 of the stud.

Having thus described my invention, what I claim is:—

Metallic studding and joints therefor, comprising, in combination, lengths of sheet metal strips having parallel sides upturned at right angles along their longitudinal edges to form trough-like members, and placed back to back with said parallel sides in overlapping relation, spaced lugs stamped from said sides and turned outwardly at right angles thereto, each of said lugs having a central aperture stamped therein, and said lugs being disposed and constructed to permit the sides of one member to engage the opposing sides of the opposite member and to permit the lugs of a side of one member to extend through the adjacent side of the opposing member and lying in juxtaposition to the lugs of said first mentioned side, whereby the apertures of said juxtaposed lugs are brought into operation, and pins inserted through said registered apertures.

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

WALTER B. PHILLIPS.

Witnesses:
F. G. FISCHER,
M. COX.