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E. G. BROWN

METALLIC SPREADER FOR WOOD FORMS

Filed Oct. 26, 1927

FIG. 1.

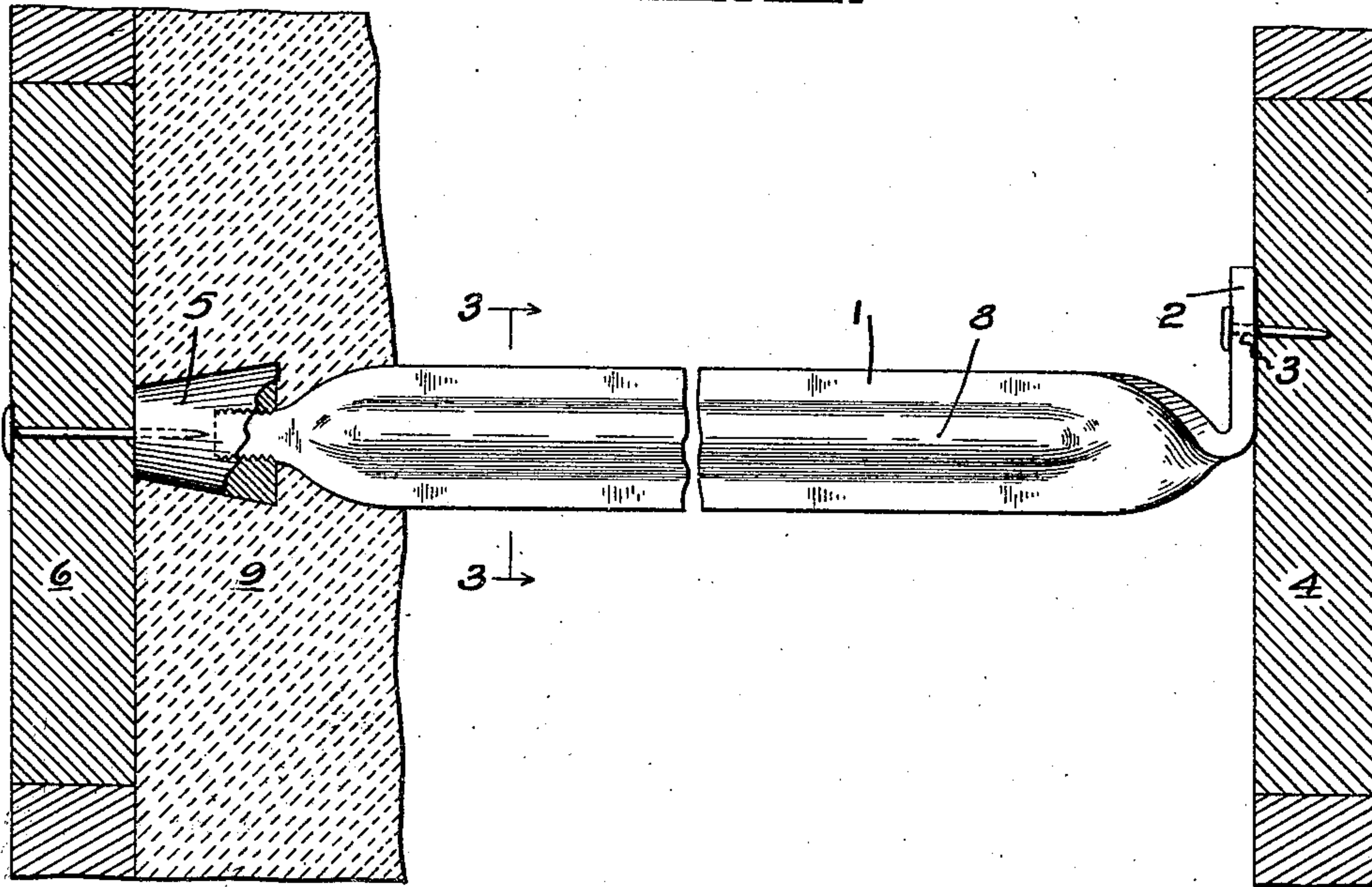


FIG. 2.

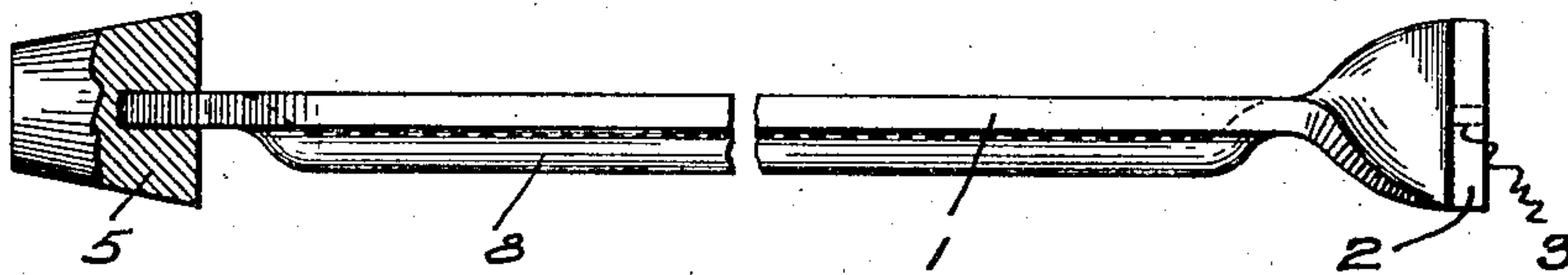


FIG. 3.

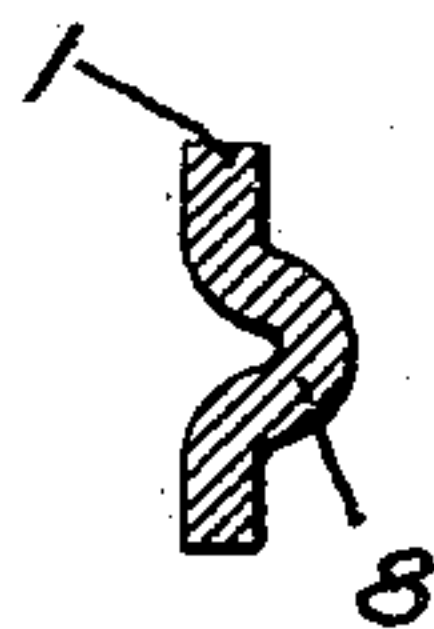


FIG. 4.

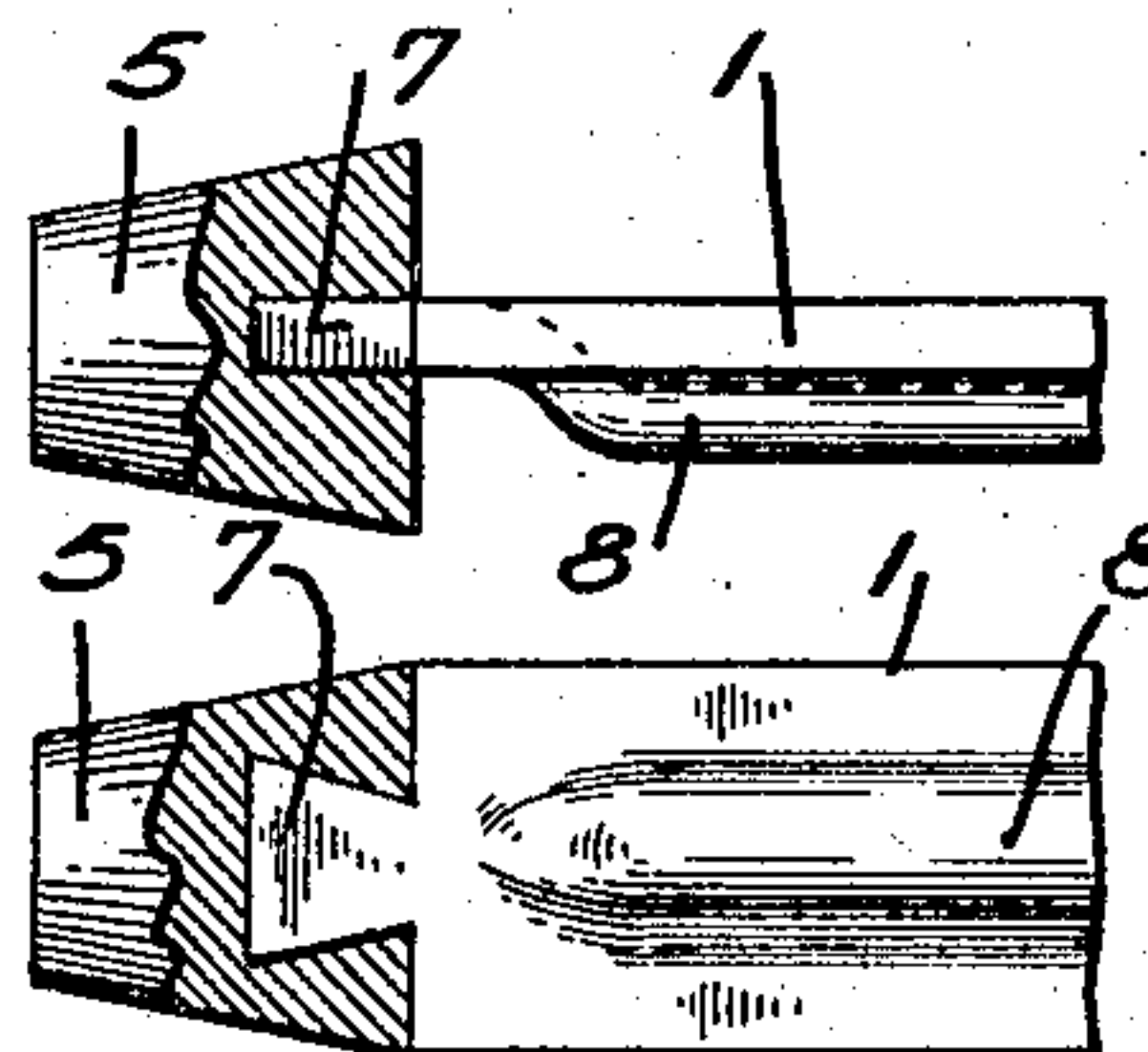


FIG. 5.

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METALLIC SPREADER FOR WOOD FORMS.

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My invention relates to metallic spreaders for wood forms. In attaching furring or moldings to concrete or plastic walls it has heretofore been necessary to drill a hole in the wall and insert therein a relatively soft plug of some such material as lead, wood or fibre. These plugs then provide a bed or support to which the furring and molding may be secured to by means of a nail or screw. During the molding of concrete walls, the wood forms are held in spaced relation by means of either metallic or wooden spreaders. To properly support the forms, the wooden spreaders have to be made fairly large and therefore tend to weaken the walls. On this account it is preferable to use a metallic spreader which can be made much smaller and still have sufficient strength to support the forms. Metallic spreaders however, are not as conveniently secured to the forms as are the wooden type.

In general it is the object of my invention to provide a metallic spreader which may be just as readily secured to the forms as a wooden spreader, and one end of which may be made to serve as a bed or support to which furring and moldings may be secured.

Another object of my invention is to provide a metallic spreader having an apertured right angularly disposed foot at one end and a soft tapered head at its other end.

Another object of my invention is the combination with a plastic wall of a prelocated metallic spreader, provided at its inner end with a relatively soft enlarged metallic head.

My invention possesses other advantageous features, some of which with the foregoing will be set forth at length in the following description, where I shall outline in full that form of the invention which I have selected for illustration in the drawings accompanying and forming part of the present specification. Although I have shown in the drawings but one form of my invention, I do not desire to be limited thereto, since the invention as expressed in the claims may be embodied in other forms also.

Referring to the drawings:

Figure 1 is a vertical sectional view of a concrete or plastic wall, the forms of which have been shown as held in spaced relation by means of my metallic spreader.

Figure 2 is a plan view of my metallic spreader showing a reinforcing rib.

Figure 3 is a central cross section of my

metallic spreader taken on the line 3—3 of Fig. 2.

Figure 4 discloses a modified construction by which a soft head is secured to my metallic spreader.

Figure 5 is an elevation of the view shown in Fig. 4.

My spreader comprises a metallic strap 1, one end of which has been bent up at right angles to form a foot 2. It will be noted that the length of the foot 2 and the width of the spreader 1 extend in the same direction. An aperture 3 is formed in foot 2, through which a nail may be passed to secure the foot to a wooden form 4. Through the other end of the spreader is secured, by any suitable means, a tapered head 5 of any relatively soft material, such as lead, fibre or wood. By making the head 5 of a relatively soft material, it is possible to secure the form 6 thereto by means of a nail or screw driven through the form and embedded in the head. In Fig. 1 the head 5 has been shown as threadedly secured to the spreader 1, but any other securing means such as shown in Figs. 4 and 5 may be used. In Figs. 4 and 5 a tapered lead head 5 has been shown as molded to the dovetailed end 7 of the spreader 1. Preferably a longitudinal rib 8 is provided in the spreader for strengthening purposes.

In the construction of a concrete or plastic wall, the outer forms 4 are set up first, the forms 6 are then set up and held in spaced relation with the forms 4 by means of my spreaders. It will be noted that the foot 2 may be secured to the wooden form 4 from the interior of the wall, which is a very desirable feature. Form 6 is secured to the spreader by passing a nail therethrough into the soft head 5. The concrete wall 9 is then poured and when the concrete has set, the forms 4 and 6 may be pulled away. The taper of the heads is such as to key them into the wall. By prelocating the heads 5, they can be used to serve as a surface or bed to which the furring and molding may be nailed. Two functions are therefore accomplished by the heads 5, first, they serve as a means by which the inner wooden forms may be secured in place while the concrete wall 9 is being poured, and second, they serve as a surface or bed to which the furring or molding may be secured, thereby obviating the necessity of drilling into the wall and placing a plug therein for that purpose. My spreader may

be just as readily secured to the forms 4 and 6 as a wooden spreader and at the same time has the advantages of a metallic spreader.

I claim:

- 5 1. A spreader for wood forms comprising a metallic strap provided at one end with a relatively soft head.
2. A spreader for wood forms comprising a metallic strap provided at one end with a
10 right angularly disposed foot, and at its other end with a relatively soft head.
3. A metal spreader comprising a strap, means at each end of said strap adapted to be secured to a form, one of said means being
15 made of a relatively soft material.
4. A spreader for wood forms comprising a metallic strap provided at one end with an apertured right angularly disposed foot and at its other end with a relatively soft head.
- 20 5. A spreader for wood forms comprising

a metallic strap provided at one end with a relatively soft head and having a reinforcing rib in its intermediate portion.

6. A plastic wall in combination with a metallic spreader provided at one of its ends
25 with a soft head.

7. A plastic wall in combination with a metallic spreader provided at one of its ends with a soft head and at its other end with a
30 right angularly disposed apertured foot.

8. A plastic wall in combination with a spreader comprising a ribbed metallic strap provided at one end with a tapered head.

9. A plastic wall in combination with a
35 prelocated spreader comprising a metallic strap provided at one end with a head of relatively soft material.

In testimony whereof, I have hereunto set my hand.

EARL GORDON BROWN.