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2,709,938

PLASTERERS' WIRE LOCKING HAMMER

Filed Oct. 16, 1952

2 Sheets-Sheet 1

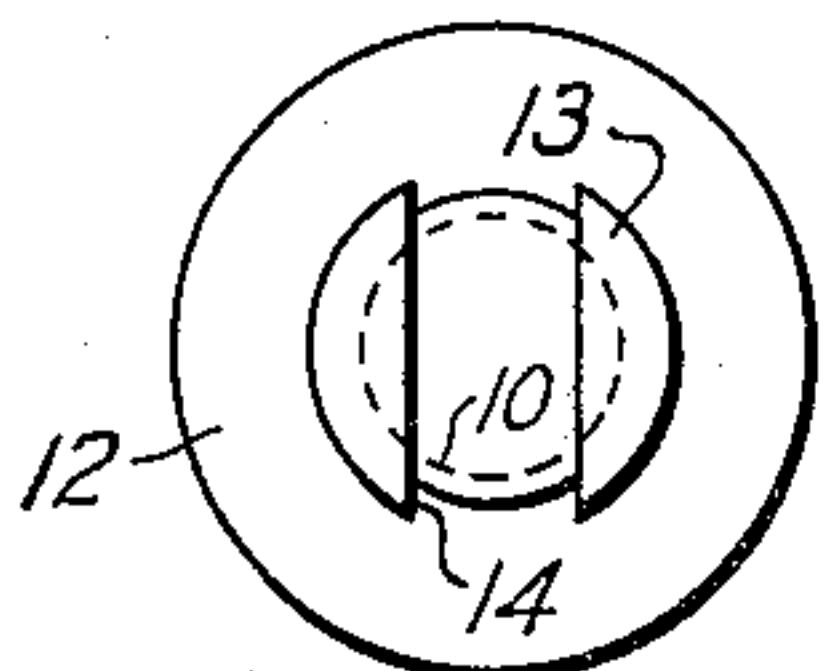


FIG. 1

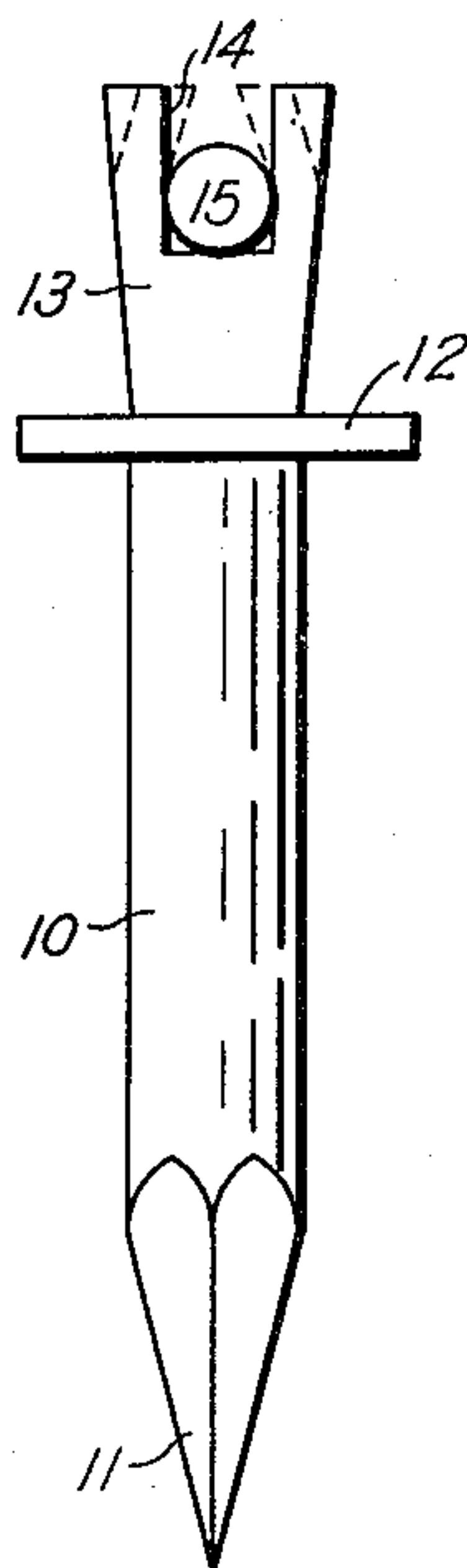


FIG. 2

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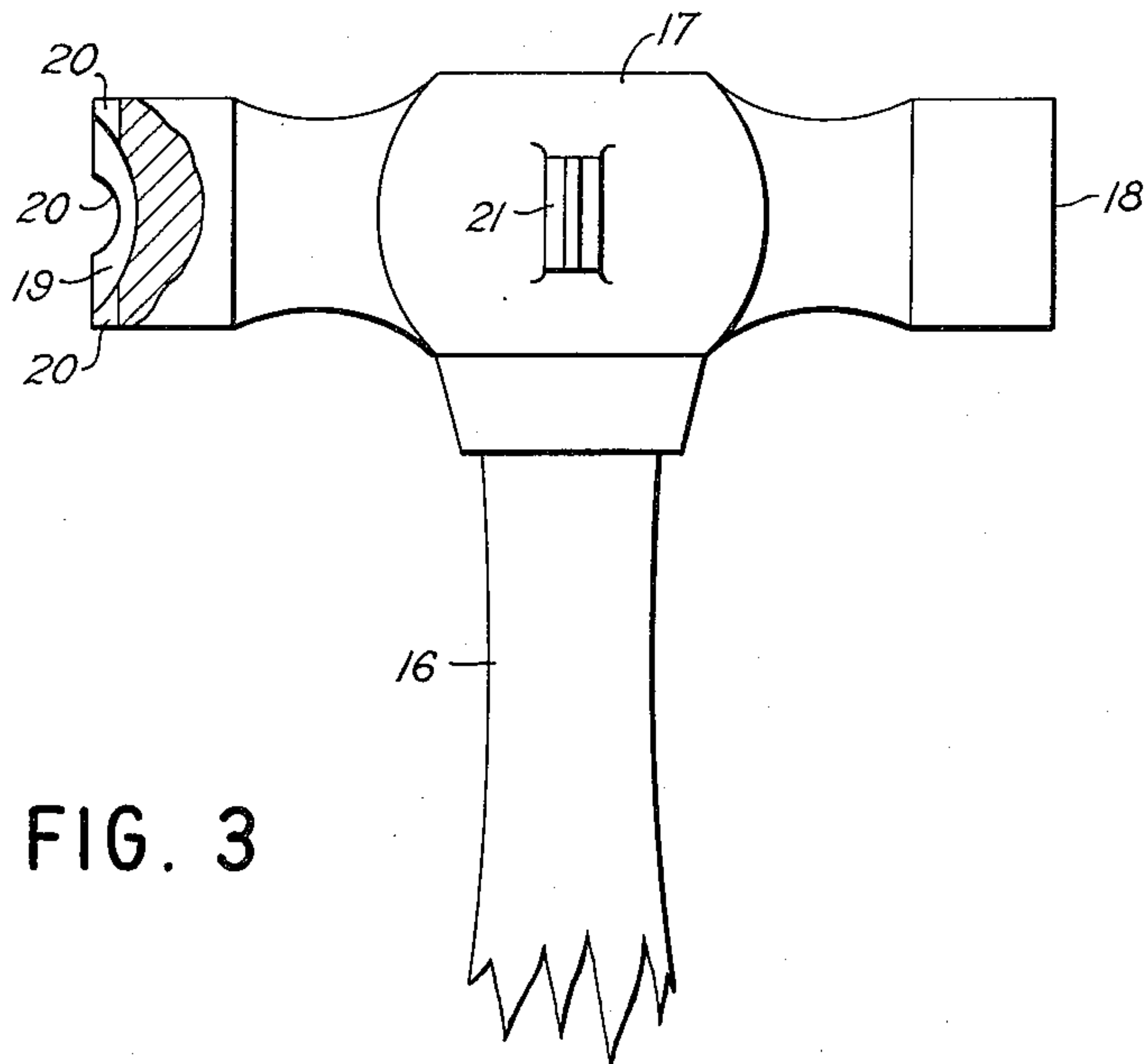


FIG. 3

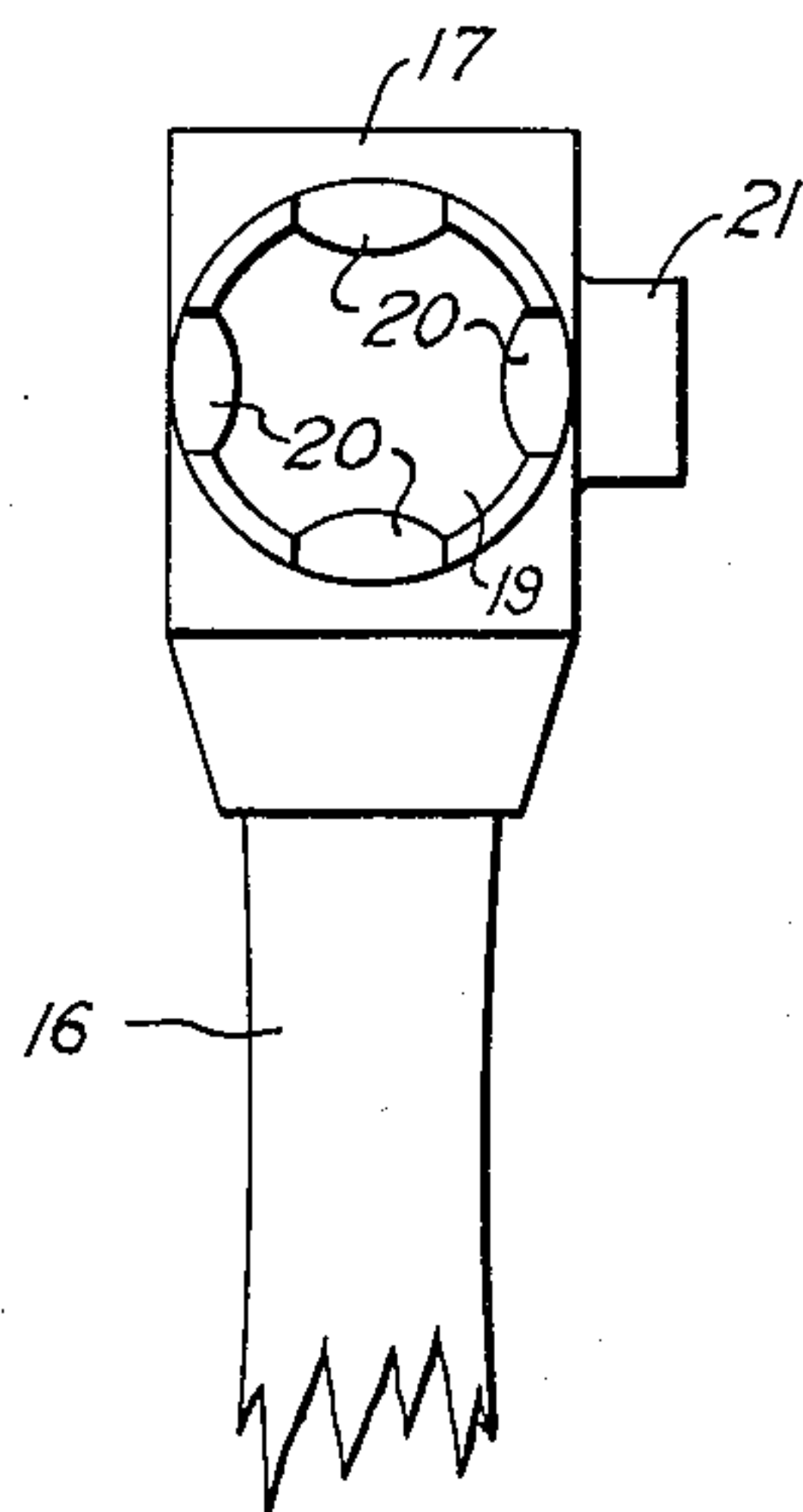


FIG. 4

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PLASTERERS' WIRE LOCKING HAMMER

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1 Claim. (Cl. 81—15)

My invention relates to nails specifically constructed for use in securing wire mesh adapted for retaining and reinforcing walls with plaster, stucco or other like material.

One of the principal objects of my invention is to provide a nail of suitable design to securely hold the wire mesh to which the plastering is applied at a predetermined distance from the sidewall of the structure upon which the plaster or stucco is to provide a facing.

Another object of my invention is to provide a nail suitable for the purpose above described which is inexpensive, dependable and adapted for speed and convenience in securely attaching wire mesh in place for application of plaster thereto.

Still another object of my invention is to provide a nail as above described that is particularly adapted for use with a complementary hammer.

Also a further object of my invention is to provide a hammer complementary to my design of nail, particularly adapted for driving the nail to its predetermined position in a sidewall and also particularly adapted for locking the wire mesh in this particular type of nail, which hammer is also provided with means for opening this particular type of nail and releasing the wire mesh therefrom.

Referring to the drawings:

Fig. 1 is a top view of my improved nail.

Fig. 2 is a side view of my improved nail.

Fig. 3 is a side view of my complementary hammer with a portion of the handle broken away and a portion of one of the faces of the hammer broken away.

Fig. 4 is a side view of the face of the hammer used for locking the wire mesh to the nail.

Referring to the drawings further: 10 is the shaft of my improved nail shown with a sharpened point 11, a shoulder 12, and a slightly flared head 13. There is a slot 14 across the top of the head for receiving a strand 15 of wire mesh netting. The hammer has a handle 16 and a head 17, the head having a nail driving face 18 and a nail locking face 19 adapted to lock the wire strand 15 in the head of the nail.

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The locking face of this hammer consists of a depressed area in the center of the face provided with four cutout portions in the periphery of the face of the hammer. A projection 21 from one side of the head of the hammer and integral therewith is wedge shaped and adapted for use in spreading the slot 14 in the head 13 of the nail.

In actual use of my combination plasterers' nails and hammer the nail is first driven in the side wall up to the shoulder 12 by a blow on the head of the nail with the face 18 of the hammer. After a strand 15 of a wire mesh is placed in the slot 14, the head of the nail is given a tap with the face 19 of the hammer. In making this tap the sides of the slot 14 of the nail are drawn towards each other over the top of the strand 15 by means of the depressed face 19 of the hammer as indicated by the dotted lines in Fig. 2.

In tapping the head of the nail for locking the wire mesh in the slot 14 care should be exercised to see that two of the cutout portions 20 in the periphery of the face of the hammer are in line over the wire 15 so as not to deform the wire or interfere with the proper drawing together of the sides of the slot 14 over the top of the wire 15.

I am aware of the fact that nails have heretofore been made with a slot in the side wall, but such nails have not proven practical as the slot will close on driving the nail in place before the wire is in position for locking and the nail of such a design requires an additional operation in its manufacture. There has been a long need for just such a hammer and nail combination as is disclosed by my specification and drawings.

Having thus described my invention I claim:

A plasterers' wire locking hammer comprising a head and a handle extending laterally therefrom, one end of said head formed as a wire locking face for closing the wire receiving slot in the head of a plaster nail, said locking face having a centrally depressed spherical surface whose diameter is greater than the head of the plaster nail, and diametrically opposite sides of the periphery of the locking face having paired cutout portions.

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