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A. H. SCHOTT

TAMPING MOLD

Filed April 10, 1924

Fig 1

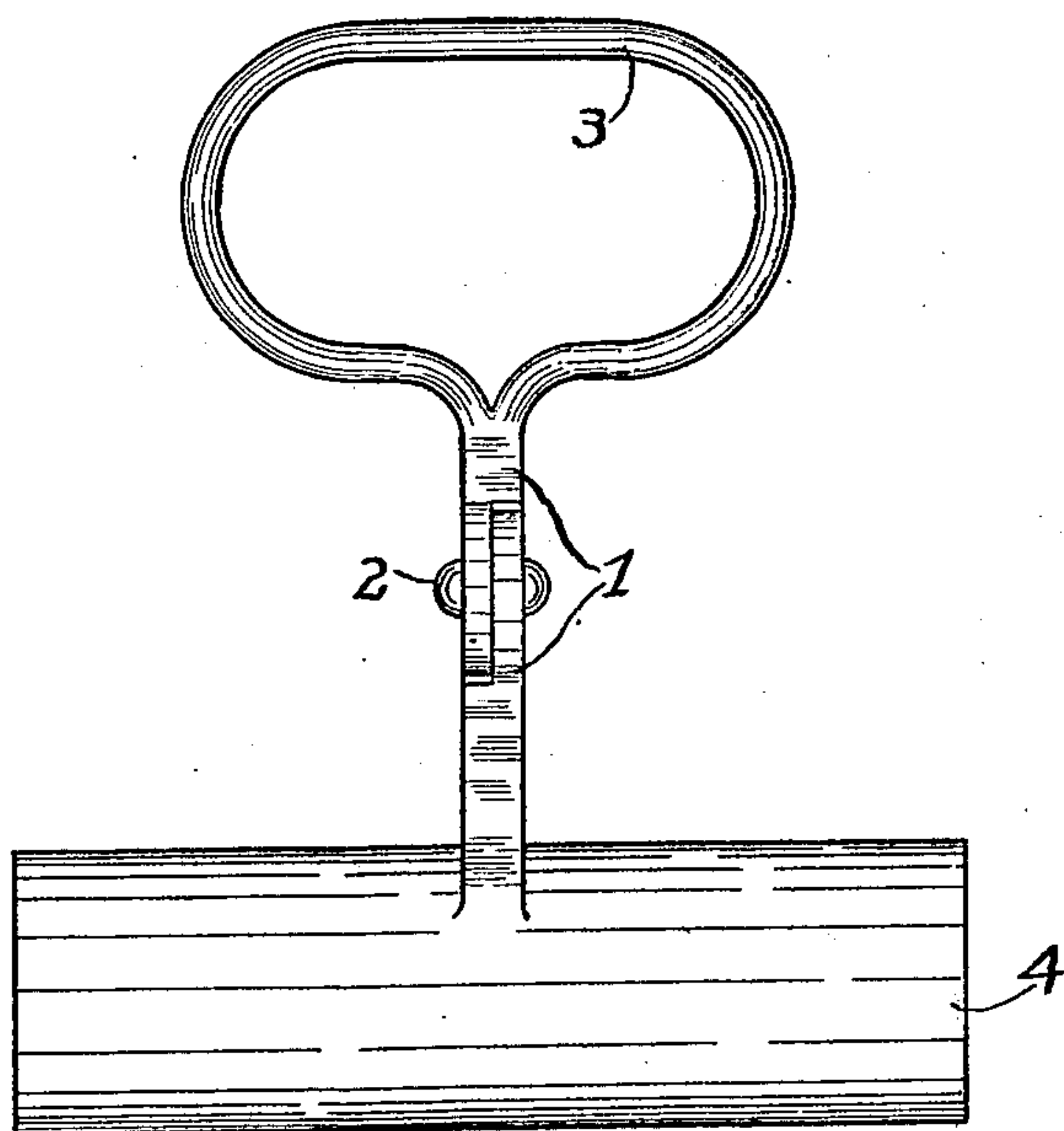
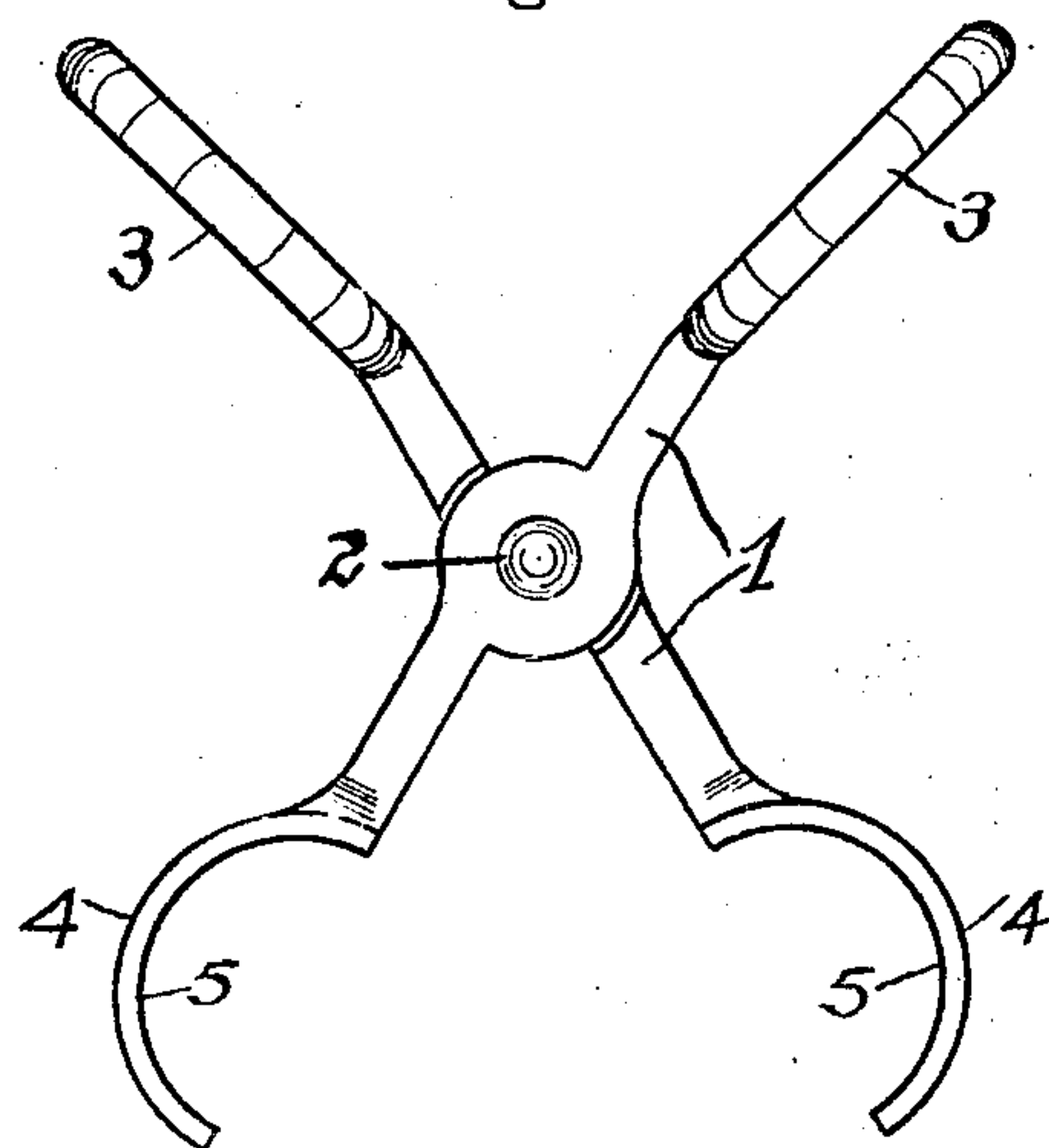


Fig 2



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TAMPING MOLD.

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To all whom it may concern:

Be it known that I, ALBERT H. SCHOTT, a citizen of the United States, residing at South Brownsville, in the county of Fayette and State of Pennsylvania, have invented certain new and useful Improvements in Tamping Molds, of which the following is a specification.

This invention relates to a tamping mold and while primarily designed for forming tamping material used in blasting to plug a drilled hole to prevent misdirection of the force of the blast, it will be obvious that the device may be employed for any other purposes wherein it is found to be applicable.

The primary object of this invention is to provide a device of the type stated, which will facilitate the tamping operation by molding the tamping material, namely, clay, earth, or other plastic material, to conform to the contour of the hole in which it is adapted to be tamped preparatory to blasting.

Further objects of this invention are to provide a tamping mold of the character described, in a manner as hereinafter set forth, which is simple in its construction and arrangement, strong, durable and efficient in its use, and comparatively inexpensive to manufacture.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention hereinafter disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing forming a portion of this specification and wherein like numerals of reference designate corresponding parts throughout the several views:—

Figure 1 is a side view of a tamping mold in the closed position in accordance with my invention.

Figure 2 is an end view of the device in the open position.

Referring in detail to the drawing 1 denotes a pair of arms joined together by a pivot 2 disposed approximately at the longitudinal central portion of the arms 1.

The upper end of each of the arms is provided with an angularly disposed operating handle 3 formed integrally therewith, and a horizontally extending mold section 4 is integrally connected at its center to the lower end of each of the arms 1 to extend at right angles with respect to the latter. The angular disposition of the handles 3, as clearly shown in Figure 2, of the drawing provides clearance for the fingers of the operator when manipulating the mold in the manner hereinafter described.

The mold sections 4 extend in parallel relatively to each other, and are semi-circular in transverse section, having the concave surfaces 5 thereof disposed inwardly toward each other. When the mold sections 4 are in the closed position, the combination of their respective concave surfaces 5 will provide a cylindrical matrix cavity, which will function to form an elongated cylindrical casting.

In the use of my improved tamping mold, the latter is manipulated to grab the tamping material while being drawn to the closed position. The clay or earth, constituting the tamping material, is sufficiently plastic to maintain its formation after the molding operation.

It is the common practice when plugging a hole, preparatory to blasting, to either fling loose tamping material into the hole by hand, or to fill a tube with loose tamping material and then transfer the tamping material from the tube by a jiggle action while the tube is partly inserted in the drilled hole. By the former method only a small portion of the tamping material enters the hole at each operation requiring its repetition many number of times, and by the latter method it is necessary to fill the tube with tamping material and then transfer it in the manner above stated entailing considerable labor and time.

With the use of my improved tamping mold the tamping material is picked up and formed into a cylindrical casting which is then removed from the mold and inserted into a drilled hole after which it is tamped into position by a suitable tamping implement. It will be obvious that such molding and tamping operation is repeated until the drilled hole is completely plugged.

What I claim is:

1. A device for the purpose set forth, comprising a pair of arms pivotally connected together, and a mold section having a concave inner face fixedly connected at one end of each of said pair of arms.

2. A device for the purpose set forth, comprising a pair of arms pivotally connected together, each of said pair of arms provided with a handle at one end and with a mold section at the other end thereof, each of said sections having an inner face concaved in transverse section.

3. A device for the purpose set forth comprising a pair of arms pivotally connected together, each of said pair of arms provided with a handle at one end and with a mold section at the other end thereof, said sections disposed at right angles with respect to said arms and the inner faces of said sections formed with corresponding half-round

cavities extending lengthwise throughout the entire length of said sections.

4. In combination, a tamping mold comprising a pair of arms pivotally connected together, each of said pair of arms provided with an integrally connected handle member at its upper end, said handle members disposed at an angle to incline outwardly, an elongated mold section integrally connected centrally of its length to the lower end of each of said pair of arms, said sections disposed parallel with respect to each other and at right angles relatively to said arms, the opposed faces of said mold sections formed with corresponding half-round cavities extending throughout the length of said sections, substantially as described and for the purpose set forth.

In testimony whereof I affix my signature.

ALBERT H. SCHOTT.