Feb. 27, 1923. 1,446,647

K. HIRTSCHULZ

MARKING TOOL

Filed June 12, 1920

FIG. 1.

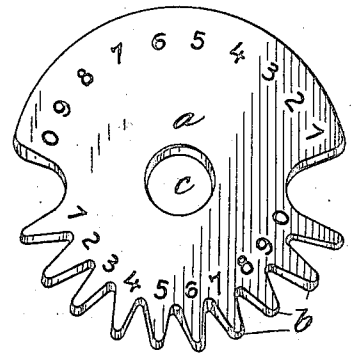
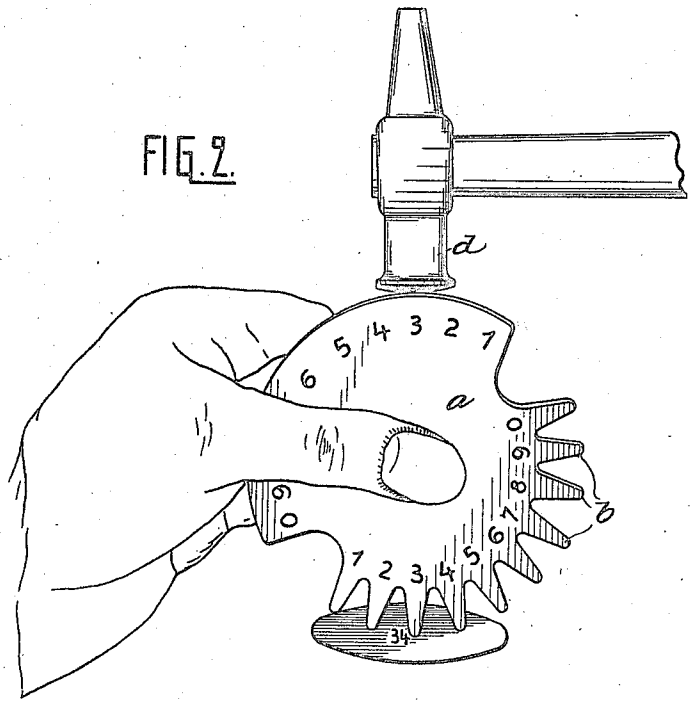


FIG. 2.



Inventor:
Kurt Hirtschulz

Patented Feb. 27, 1923. 1,446,647

UNITED STATES PATENT OFFICE.

KURT HIRTSCHULZ, OF BERLIN, GERMANY, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-HALF TO NORDDEUTSCHE METALLWARENFABRIK G. M. B. H., OF BERLIN, GERMANY, AND ONE-HALF TO MARBURG BROTHERS, INC., OF NEW YORK, N. Y., A FIRM.

MARKING TOOL.

Application filed June 12, 1920. Serial No. 388,692.

To all whom it may concern:

Be it known that I, KURT HIRTSCHULZ, a citizen of the German Republic, residing at Berlin, Germany, have invented certain new and useful Improvements in Marking Tools, of which the following is a specification.

My invention refers to a marking tool for marking boxes or other objects or for punching letters and other marks in metallic objects.

In the tool according to my invention the types, letters, numerals etc. are arranged on the free ends of separate arms radially disposed around the center of a circular disk which may consist of metal, wood or any other suitable material according to whether the types are cut in metal, wood, rubber or the like. Preferably only about one half of the periphery of the disk is set with type-bearing arms while the other half is plain and serves to receive the blows of the hammer in case that the marking shall be done in this way.

In the drawings affixed to this specification and forming part thereof the preferred form of a tool according to the present invention is illustrated, in which

Fig. 1 is a perspective view of the tool itself, while

Fig. 2 is a like view showing the mode of applying marks to a metallic object by aid of a hammer.

Referring to the drawings, *a* is a substantially circular steel disk and *b*, *b* are ten arms radially disposed around the center of said disk and covering about one half of its circumference, each arm carrying at its free end one of the types 0, 1, 2 . . . . . 9. The corresponding numeral is disposed at the root of each arm in order to facilitate their selection. The other half of the circumference of the disk is plain and corresponding numerals are marked near this part of the circumference on the diameters passing through the single arms, so that like numerals appear at both ends of each diameter. A perforation *c*, which may as well be replaced by a depression, is provided in the center of the disk.

In order to mark a metallic object by aid of the device described, the disk is gripped with the left hand, the thumb and forefinger resting on the central perforation. The tool is then turned so that the arm carrying the type to be marked is resting on the object, the corresponding numeral near the upper part of the circumference being now vertically above said arm. The point immediately above this figure is now hit with the hammer *d* and the numeral is marked thereby on the object. In order to mark thereon the next-succeeding numeral, the corresponding arm *b* need merely be applied thereto and another blow with the hammer will mark it down. Thus the tool need not be released between two blows nor is it necessary to look for the following arm, so that the marking proceeds much quicker and easier than before.

Instead of numerals other types (letters, trade-marks, quality-marks and so on) may be formed on the arms *b*, which may be present in any desired number, and the marks, instead of being integral with the arms, may as well be formed on separate parts interchangeably connected with the arms. In order to feature economy in manufacturing cost it is appreciated that the disk may be formed simply by cutting a slice from a round steel bar and the teeth-like dies cut therein on an ordinary milling machine.

I claim:—

1. As an article of manufacture, a metallic ten-character marking tool of relatively light weight so as to be capable of ready manual manipulation, said tool having a flat, circular disk-like form with approximately one-half on the periphery provided with eleven equally spaced apart recesses forming ten marking dies therebetween, each die having a different character from each of the other dies, and the other half of the periphery being substantially smooth and continuous between the end recesses to form an arched percussion surface, the percussion receiving portion outlined by the smooth periphery being solid for substantially one-half of the side of the tool thereby to provide a rugged part for receiving and transmitting the percussion shocks therethrough to the oppositely disposed marking characters.

2. A metallic marking tool comprising a flat circular disk with approximately one-half of the periphery provided with a plu-

rality of recesses forming a spur-gear like effect having more than three teeth forming dies and the remaining part of the periphery opposite the dies constituting a percussion surface of greater circumferential length than any of the dies.

3. A metallic marking tool comprising a flat circular disk with approximately one-half of the periphery provided with a plurality of recesses forming a spur-gear like effect having more than three teeth forming dies and the remaining part of the periphery opposite the dies constituting a percussion surface of greater circumferential length than any of the dies, said disk provided with an aperture extending axially therethrough to provide a bearing for rotating the tool between the operator's fingers and tending to reduce the weight of the tool.

4. A marking tool comprising a flat disk having a plurality of closely positioned dies forming one side of the periphery and a continuous percussion surface constituting the remainder of the periphery, one of the flat sides of the disk provided with two similar sets of reference characters, one character of one set for each of the dies disposed adjacent its respective die and a similar character of the other set disposed in diametrically opposite relation and adjacent the percussion surface thereby to indicate to the operator viewing one side of the disk the point of application on the percussion surface required to be struck to form the desired mark.

In testimony whereof I affix my signature.

KURT HIRTSCHULZ.