(No Model.)

V. BISSIG.

MARKING PUNCH.

No. 413,844. Patented Oct. 29, 1889.

Fig. 1.

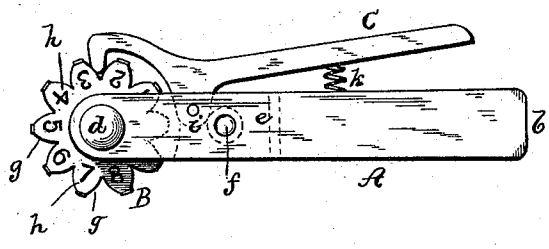


Fig. 2.

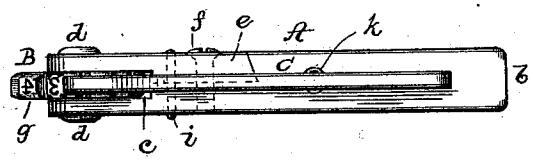
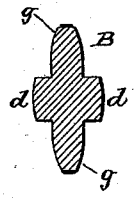


Fig. 3.



WITNESSES:

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VINCENT BISSIG, OF GREENVILLE, NEW JERSEY.

MARKING-PUNCH.

SPECIFICATION forming part of Letters Patent No. 413,844, dated October 29, 1889.

Application filed January 3, 1889. Serial No. 295,275. (No model.)

To all whom it may concern:

Be it known that I, VINCENT BISSIG, of Greenville, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Marking-Punches, of which the following is a full, clear, and exact description.

This invention mainly relates to punches for use in machine-shops and elsewhere, and employed to mark, with numbers, letters, or other symbols, certain articles or parts of articles which fit one within or against the other, so as to identify the proper relation and use of said articles or parts of articles. This is ordinarily done by employing a number of punches each having a different marking-symbol upon it, in order that a variety of work may be differently marked to distinguish the parts or their proper position in relation with each other when fitting them together, like or fitting parts having a similar symbol marked upon them.

The principle upon which the invention operates is similar to that employed in different hand-stamps, branding-stamps, and timber and lumber stamps, in which a rotating marking-wheel carried by a suitable holder and constructed on its peripheral surface with a series of stamping or marking projections having distinguishing symbols on their outer ends is used; also in which a spring-controlled locking catch or lever is employed to hold the marking-wheel when set, and in certain of which the marking-wheel is provided with corresponding symbols on its side to those used on the outer ends of the marking-projections, to facilitate the setting of said wheel. By means of the rotatable marking-wheel having different symbols on it the same stamp may be used to impress different symbols, and by pressing on the lever-catch said wheel is released from its lock, so that it may be turned or adjusted as required. This is the general construction of my improved marking-punch, and whereby the one punch is made to answer the purpose of several having different marking-symbols; and my invention consists in a novel construction of such a punch, in which the stock carrying the marking-wheel and locking-lever catch is of a solid bar-like construction adapted to receive the blow of a hammer on its outer end when marking with the punch, and the locking-lever catch is made to engage directly with the marking-wheel, between its peripheral projections carrying the symbols, instead of with a separate ratchet on the marking-wheel, whereby not only space and material are economized and a more direct or firmer lock is effected, but the marking-wheel itself is made to perform the double function of a changeable stamping or marking wheel and of a ratchet having an extended leverage for the locking or lever catch to hold the marking-wheel at its set.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a side view of a marking-punch embodying my invention, and Fig. 2 a longitudinal view, at right angles to Fig. 1, of the same. Fig. 3 is a sectional view of a marking-wheel used with or forming part of the punch.

A is the stock of the punch, of bar-like form, with its head *b* constructed to receive the blow of a hammer when using the punch. Fitted in the opposite end of the stock, which is provided with a slot *c* for the purpose, is a rotatable marking-wheel B, having its bearings in the sides of the stock and arranged to project some distance beyond the front end and sides of the stock. This wheel is here shown as having its pivots *d d* cast with it, and the stock represented as of sectional construction and as fitted with a separate piece *e*, secured by a screw *f*, to provide for entering the marking-wheel with its attached pivots in the slot of the stock; but it will be obvious that this construction might be changed and the stock be made of a single piece and the spindle or pivot of the wheel be separately inserted through the wheel and side portions of the slotted end part of the stock. Said marking-wheel C is of notched construction on its peripheral surface, leaving a succession of projections *g*, which constitute the marking-pieces, that are provided on their outer ends with a series of consecutive numbers or other symbols. Furthermore, this marking-wheel, which is made of suitably-hard ma-

terial or its stamping and marking points or pieces formed with a hardened surface, is provided on its face with a corresponding series of numbers or symbols *h*, arranged in line with the outer ends of the symbolically-marked stamping projections or pieces *g*, to facilitate the setting of the marking-wheel to bring any particular one of its stamping projections *g* in position for marking. After the marking-wheel has been thus adjusted it is held in its set position by a locking-lever catch C on the side of the stock A, and pivoted thereto, as at *i*, said lever-catch being constructed with a toothed projection at its outer end, constructed to engage with the notched surface of the marking-wheel and being held in engagement therewith by a spring *k*, arranged to act upon the lever C in rear of its pivot.

When using the device as thus constructed, it may be first laid in the palm of the hand with the face side of the marking-wheel having the symbols *h* on it uppermost. The lever C is then released by the finger of the other hand from engagement with said wheel, and the wheel B turned by the thumb of the first hand to bring its required marking point or projection *g* corresponding to the symbol on the face of the wheel in line with the stock in stamping position, when pressure on the lever C is released and said lever or catch flies into locking engagement with the marking-wheel, to hold it at its set.

The punch may be used on the article or pieces to be marked by striking it on the head with a hammer, and the set of its working-wheel be subsequently changed as required to repeat the operation, subject to a change of stamping-symbol, as needed.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a changeable marking-punch, the combination of the solid bar-like stock A, having a slot *c* in its forward end, the peripherally-notched projecting marking-wheel B, arranged to rotate within said slot and having a series of symbolically-marked stamping projections *g*, also corresponding symbols on its face opposite said projections, and the side lever-catch C, arranged to engage directly with the notches in the peripheral surface of the marking-wheel, between the projections *g*, and a spring operating to maintain said engagement, substantially as shown and described.

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Witnesses:
ALEXANDER H. WIRSCHING,
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