

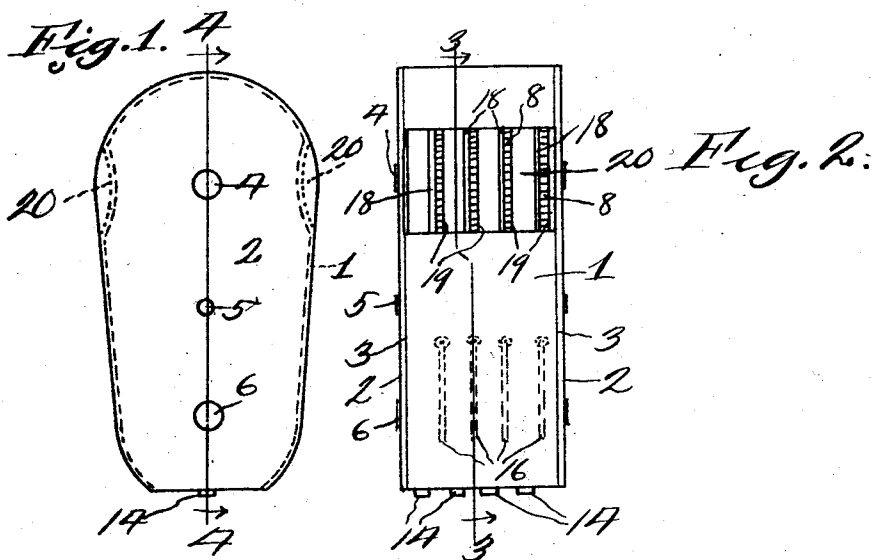
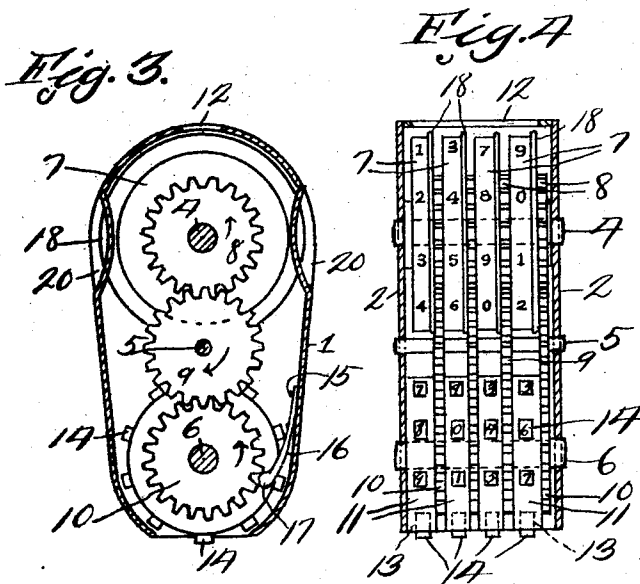
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D. W. GLASGOW

MARKING DEVICE

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## UNITED STATES PATENT OFFICE.

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## MARKING DEVICE.

Application filed December 8, 1924. Serial No. 754,558.

*To all whom it may concern:*

Be it known that DAVID W. GLASGOW, citizen of the United States, residing at Albion, in the county of Boone and State of Nebraska, has invented certain new and useful Improvements in Marking Devices, of which the following is a specification.

The invention relates to marking machines, and has for its object to provide a device of this character particularly adapted for marking prices on price tags, or a combination of letters if desired, and to provide a simple and compact marking machine, and an inexpensive construction.

A further object is to provide a marking machine comprising a casing having a plurality of axially alined wheels rotatably mounted on the shaft in the upper end thereof and similar wheels rotatably mounted on a shaft in the lower end of the casing, said wheels at the upper and lower ends of the casing being provided with gears meshing with intermediate gears rotatably mounted on a shaft intermediate the first shafts. Also to provide spring detent means cooperating with the gears of the lower marking wheels for holding said wheels in any position to which they may be moved.

A further object is to provide the upper wheels with flanges extending through inwardly extending portions in opposite sides of the casing and adapted to be engaged by the finger of the operator for rotating the wheels.

A further object is to provide the upper end of the casing with a sight opening, with which numerals on the upper wheels register, and to position the removable yieldable type of the lower wheels whereby when any particular combination of numbers is in registration with the sight opening, the same combination will be downwardly disposed on the lower wheels, thereby allowing the same to be used for marking price tags and the like.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a side elevation of a marking machine.

Figure 2 is a front elevation of the machine.

Figure 3 is a vertical sectional view taken on line 3—3 of Figure 2.

Figure 4 is a vertical sectional view taken on line 4—4 of Figure 1.

Referring to the drawing, the numeral 1 designates the main casing of the device to opposite sides of which are secured flap side members 2, which are preferably secured to the main casing 1 by brazing at 3. Extending through the opposite sides 2 of the casing are spaced shafts 4, 5, and 6, and on the shaft 4 is a plurality of rotatable wheels 7 having numbers thereon, preferably from zero to nine. The rotatable wheels 7 have formed integral therewith gears 8, which gears 8 mesh with gears 9 rotatably mounted on the intermediate shaft 5, and which gears 9 mesh with gears 10 formed integral with the rotatable number wheels 11, rotatably mounted on the shaft 6. It will be seen that when any of the wheels 7 are rotated until predetermined numbers register with the sight opening 12 in the upper side of the main casing 1, the number wheels 11 will be simultaneously rotated, and the corresponding numbers on the number wheels 11, will be placed in lowered printing position. Number wheels 11 are provided with sockets 13, in which the yieldable removable type 14 are disposed, therefore it will be seen that the type may be removed and replaced as desired, or if desired letters may be used instead of numerals on the number wheels, so that a secret marking code may be used, which will not be known to the general public. Secured at 15 to the inner side of the casing 1 are spring detent arms 16, which arms extend downwardly and inwardly and terminate in substantially round enlargements 17 which cooperate with the integral gears 10 carried by the number wheels 11, for holding said number wheels in any position to which they have been moved, and in a manner whereby they can not be accidentally moved during a marking operation.

Wheels 7 are provided with flanges 18, which extend through slots 19, in depressions 20, in the opposite sides of the casing 1,

therefore it will be seen that during a setting operation, the operator may easily rotate the wheels 7 for positioning predetermined indicia thereon in registration with the sight opening 12, and by providing depressions 20, into which the flanges 18 extend, it is obvious that when the device is once set and placed on a desk or the like, danger of accidental rotation of the wheels 7 is obviated as the flanges 18 can not come into engagement with the desk.

From the above it will be seen that a numbering machine is provided, which is simple in construction, particularly adapted for marking price tags, compact and provided with removable type which may be easily and quickly removed and replaced.

The invention having been set forth what is claimed as new and useful is:—

1. A marking machine comprising a casing having a sight opening in the upper end thereof, rotatable setting wheels in the upper end of the casing and provided with indicia provided to register with the sight opening, said setting wheel being rotatably mounted on a shaft, rotatable number wheels, said number wheels being rotatably

mounted on a shaft in the lower end of the casing, an intermediate shaft, gears carried by the intermediate shaft, gears carried by the setting wheels and meshing with the gears on the intermediate shaft, gears carried by the number wheels and meshing with the gears on the intermediate shaft, spring detent members disposed within the casing and cooperating with the gears of the number wheels and removable type disposed in recesses of the number wheels.

2. A numbering machine comprising a casing, numbering wheels rotatably mounted in the upper end of the casing and having indicia thereon adapted to register with a sight opening in the casing, number wheels in the lower end of the casing, gear connections between the setting wheels and the number wheels, spring arm detents cooperating with said gear connections for holding the wheels against rotation, and removable type disposed in the radial recesses of the number wheels.

In testimony whereof I affix my signature.

DAVID W. GLASGOW.