No. 833,964. PATENTED OCT. 23, 1906.

R. L. HERMAN.

MARKING DEVICE.

APPLICATION FILED MAR. 7, 1906.

Fig. 1.

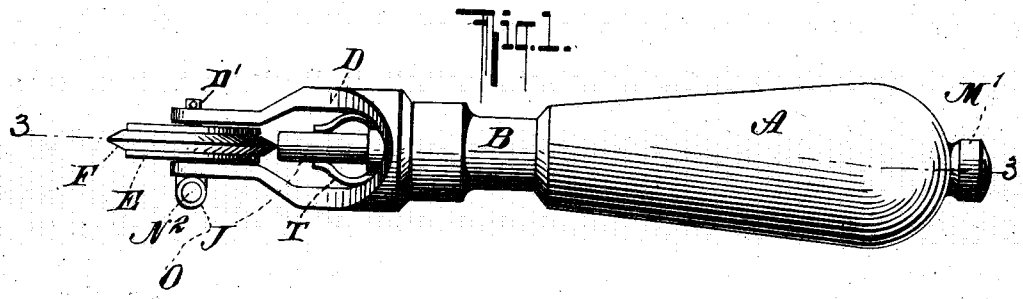


Fig. 2.

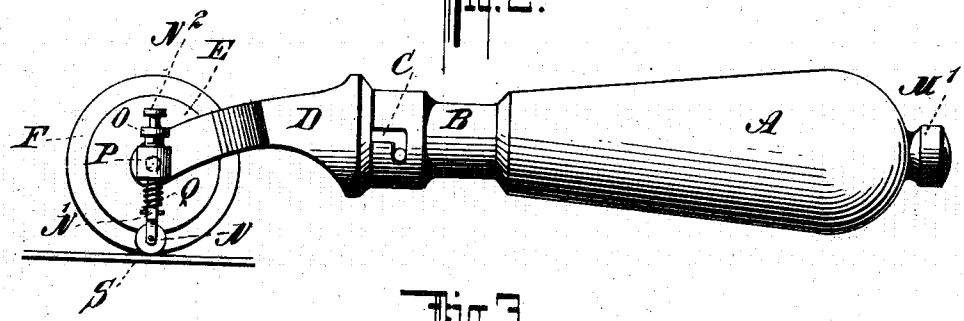
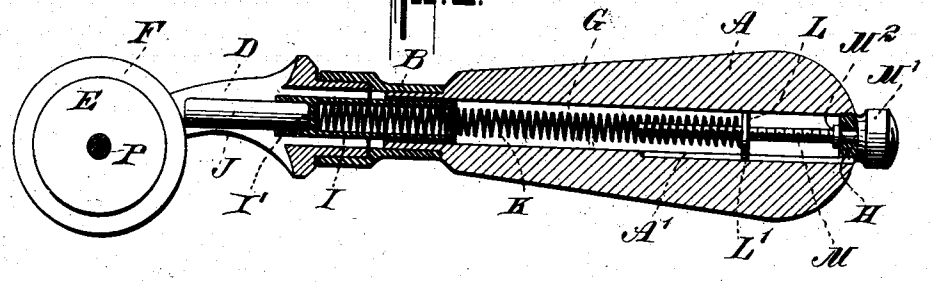


Fig. 3.



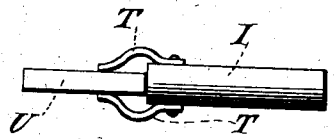


Fig. 5.

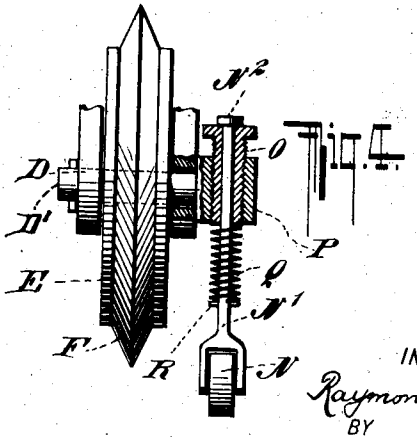


Fig. 4.

WITNESSES:

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RAYMOND L. HERMAN, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO MALINE NOVELTY MANUFACTURING CO., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

MARKING DEVICE.

No. 833,964. Specification of Letters Patent. Patented Oct. 23, 1906.

Application filed March 7, 1906. Serial No. 304,741.

To all whom it may concern:

Be it known that I, RAYMOND L. HERMAN, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Marking Devices, of which the following is a specification.

My invention relates to devices for marking cloth or other like material, as in marking off patterns for garments, and has for its object to provide a simple and efficient device of this character.

My invention will be fully described hereinafter, and the features of novelty will be pointed out in the appended claims.

Reference is to be had to the accompanying drawings, in which—

Figure 1 is a plan view of my improved marking device. Fig. 2 is a side elevation thereof. Fig. 3 is a longitudinal section on the line 3 3 of Fig. 1. Fig. 4 is an enlarged partial front view of said device, and Fig. 5 is a detail view of the follower or chalk-holder.

A is the handle, which is secured to a collar B, which collar B is detachably connected, as by a bayonet-joint C, with a forked member D. A marking-wheel E is journaled in the forked member D and is provided with a periphery F, composed of felt, rubber, or like material. The handle A is provided with a central bore or chamber G, which is closed at one end by a screw-plug H, having a central opening. A follower I is arranged to slide lengthwise of the handle in said chamber G, and this follower may be socketed at one end to receive the chalk J. The said follower I is in this case provided with a stop I′, which serves to limit the distance the chalk may be inserted into said socket or holder and further serves as an abutment for the one end of the spring K. The other end of the spring K abuts against a movable disk L, provided with a projection L′. This disk L is in screw-threaded engagement with a screw M, which passes loosely through the plug H and is provided with a handle M′. The projection L′ of the disk L enters a groove A′, running lengthwise of the handle A. The disk L is thus held against rotation when the handle M′ and the screw M are turned to adjust the tension of the spring K. A collar M^2 on the screw M, in conjunction with the handle M′, secures said screw in position in the plug H, said handle and screw being capable, however, of rotation for the purposes described hereinbefore. The chalk J is held in the socket of the follower I by friction, or, if desired, the socket intended for the reception of the chalk may be made resilient, so as to form a clamp.

To the one side of the fork D is arranged a pressure-roller N, carried by a forked stem N′, provided at its free end with a head N^2. This stem N′ passes loosely through a screw-threaded plug O, which screws into a bearing P, forming part of or secured to the axle D′. A spring Q surrounds said stem N′, its one end abutting against the bearing P and its other end engaging a pin R on the stem N′. This spring serves to keep the roller in engagement with the pattern S and prevents said pattern from curling up as the marker is used. By screwing the plug O up and down in the bearing P the working tension of the spring Q may be adjusted. By having the bearing P form a part of or secured to the axle D′ the pressure-roller N and its coöperating parts are always in proper relation to the surface on which the marking device is being used irrespective of the angle at which the handle A is held. In other words, the roller N and its carrying-stem N′ are supported in a swiveled bearing P, the weight of the roller N causing it to always remain vertically under the axle D′.

The follower I may be provided with resilient fingers T, so that a flat piece of chalk or other marking material U may be used. In this case the chalk does not extend into the socket, but is held in position by the resilient fingers T. These fingers T may also be used as an additional means for holding the chalk J in position.

In operation the chalk when in the form of a stick J is inserted into the socket of the follower I and between the fingers T, when such fingers are used. A flat piece of chalk U would be held simply between the fingers T. The free end of the chalk is pressed against the periphery of the wheel E by the follower I under the influence of the spring K. The wheel E is passed along the pattern S, which is placed over the material in the usual way. A chalk-mark is thus produced on the material. Said wheel may also be passed over the

usual perforations in the pattern. As the chalk wears down the tension of the spring K may be maintained, as before pointed out, by turning the handle M′ and the screw M, which results in the disk L traveling up or down on said screw, said disk being held by the projection L′, which slides in the groove A′.

While I have described my invention as used in conjunction with patterns, I desire it to be understood that this device may be used wherever it is desired to mark a design of any kind.

Various modifications may be made without departing from the nature of my invention as defined in the claims.

The spring K may be omitted if the follower I is heavy enough to press the chalk J or U against the marking-wheel by gravity, the handle being held inclined downward toward the marking-wheel in this case.

I claim—

1. A marking device comprising a handle, a rotary marking member journaled thereon, a follower movable lengthwise of the handle, and an exchangeable marking substance removably interposed between the rotary marking member and the follower.

2. A marking member comprising a rear section having a chamber open at its front end, a front section detachably connected with said rear section, a rotary member journaled on said front section, a follower extending into the rear section, and a marking substance between said follower and the marking member, said follower being capable of insertion into said rear section from its front end.

3. A marking device comprising a handle, a rotary marker thereon, and a follower adapted to move toward said marker, said follower having a socket for the reception of a marking substance and also having clamping-fingers in advance of said socket.

4. A marking device comprising a handle, a rotary marker thereon, a marking substance movable lengthwise of the handle, and having one end adapted to engage the periphery of the marking member, and a follower provided with a socket for the reception of the other end of said marking substance, and adapted to press it against the periphery of said marking member.

5. A marking device comprising a handle, a marking member carried thereby, and a pressure member swiveled to turn about a horizontal axis and located at the side of said marking member.

6. A marking device comprising a handle, a marking member carried thereby, and a pressure member swiveled to swing in a plane parallel to the plane of rotation of said marking member and located at the side of said marking member.

7. A marking device comprising a handle, a rotary marking member carried thereby, a carrier swiveled to turn about an axis coinciding with that of the marking member, and a pressure member arranged on said carrier at the side of the marking member.

In testimony whereof I have hereunto signed this specification in the presence of two subscribing witnesses.

RAYMOND L. HERMAN.

Witnesses:

C. A. NEEDHAM,

EMIL HERMANN.