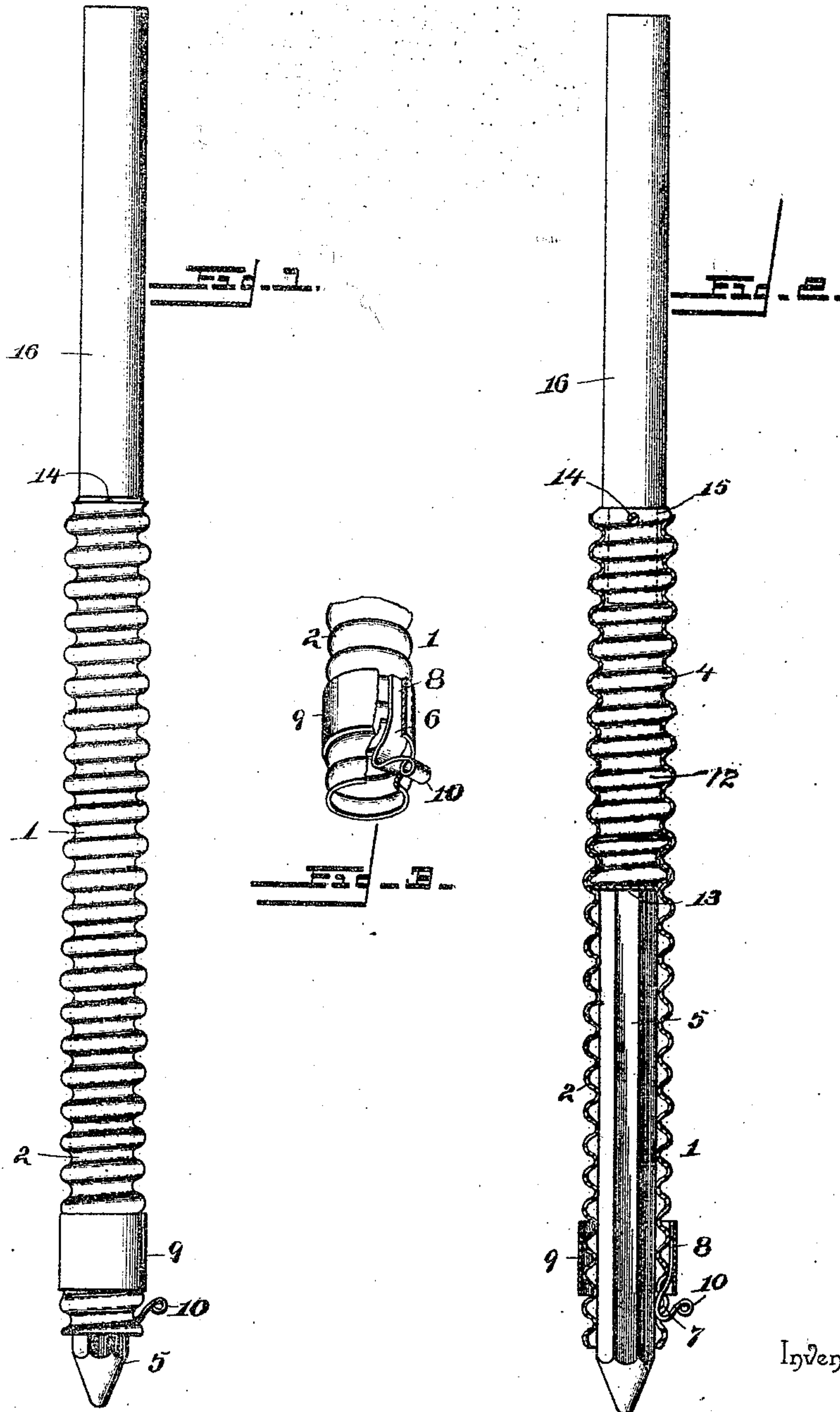


(No Model.)

F. H. GETCHELL.  
CHALK HOLDER FOR MARKING STICKS.

No. 547,542.

Patented Oct. 8, 1895.



Inventor

Witnesses

Thos. W. Riley

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# UNITED STATES PATENT OFFICE.

FRANK HOWARD GETCHELL, OF CHASSELL, MICHIGAN.

## CHALK-HOLDER FOR MARKING STICKS.

SPECIFICATION forming part of Letters Patent No. 547,542, dated October 8, 1895.

Application filed August 31, 1895. Serial No. 561,129. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK HOWARD GETCHELL, a citizen of the United States, residing at Chassell, in the county of Houghton and State of Michigan, have invented a new and useful Chalk-Holder for Marking Sticks, of which the following is a specification.

My invention relates to chalk-holders for marking timber and lumber, my object being to provide a holder that will support the chalk throughout its length so that the chalk or crayon will be held intact contrary to its friable nature, and a holder that will retain the crayon firmly gripped until the very inner portion is used. The economical use of the chalk, as thus indicated, makes a large saving in extensive yards and lumber-camps. Besides, my holder or port-crayon is light, easily operated, holds the crayon rigidly projected, (not depending on any spring therefor,) and is exceedingly cheap in manufacture.

With these ends in view my invention consists in the novel features and combinations of parts, as hereinafter specified by description and claims.

In the accompanying drawings, Figure 1 is a side elevation of my improved holder. Fig. 2 is a central longitudinal section. Fig. 3 is a detail view of my clamping and retarding spring.

Reference-numeral 1 designates the chalk socket or barrel, which may be made out of tubing (brass, aluminum, iron, or other material) and provided with female screw-threads cut therein; but I prefer to make it of light thin material spirally corrugated. These corrugations 2 not only serve for screw-threads to receive the follower or projector, but they also stiffen and strengthen the barrel and provide a firm hand-hold. The bore 4 through this barrel 1 is of the same uniform size throughout to correspond to the size of the chalk-crayon 5 used, so that the crayon thereby receives lateral support at every point within the casing. The crayon is held from falling out by a leaf-spring 6 of peculiar shape, which is seated to operate in a square slot 7 immediately adjacent to the outer end of the barrel. Slot 7 is cut longitudinally of the barrel 1 and corresponds in width to that of the leaf-spring 6. This spring is provided

with a shank 8, which is secured between the outer surface of the barrel and a ferrule 9, which is snugly crowded over the same. Spring 6 is bent inwardly and forwardly parallel to the crayon-surface and then bent back on itself near the outer extremity of slot 7 and turned around on itself at its end in a graceful roll 10, which serves as a catch for the finger to press it back out of engagement with the crayon.

The follower 12 consists of a tube similar to that of the barrel, spirally corrugated or externally threaded to fit within the barrel 1, and to screw back and forth therein. This follower is closed by cap 13 at its inner end to bear against the crayon which is to be projected. At its outer end, or handle end, it is perforated to receive a small pin or screw 14, whereby it is secured to the reduced end 15 of handle 16. This handle is made of any light stiff wood, although of course it is evident it might be a continuation of the follower-tube. In that case it could be corrugated or fluted for bracing or strengthening purposes.

In using my holder the thumb is caught over roll or hook 10 to retract the spring, and the crayon is inserted in barrel 1, with its end slightly projecting therefrom. The spring is now let loose, whereupon it gently crowds against the chalk, but not sufficiently to crumble it nor to gouge it when the crayon is moved. The follower 12 is inserted behind the crayon by screwing it into the barrel, and as the crayon is worn away the follower is slightly revolved, so as to project the crayon. Thus it is possible to adjust the crayon to a nicety, so that if a particularly-brittle place is met with therein it may be used down closer to the barrel and projected little by little.

What I claim is—

1. A chalk holder comprising a barrel provided with a uniform longitudinal bore of the same size as the chalk to be held, said barrel being screw threaded internally and provided at its outer end with a leaf-spring secured thereto to bear through a slot in said barrel end, and a follower having a closed end, and screw threaded externally to reciprocate within said barrel, substantially as described.



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2. A chalk holder comprising a barrel, provided with a uniform longitudinal bore of the same size as the chalk to be held, said barrel being screw threaded internally and  
5 provided at its outer end with a leaf spring secured thereto by means of an external clamping ferrule to bear through a slot in said barrel end, and a follower having a closed end, and screw threaded externally to reciprocate within said barrel, said follower being

provided with a suitable handle opposite its closed end substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

FRANK HOWARD GETCHELL.

Witnesses:

RICHARD R. SMITH,  
E. W. KLINGENSMITH.