Feb. 7, 1933. J. BOROVICKA 1,896,695

PLANT MARKER

Filed May 22, 1931

Fig. 1

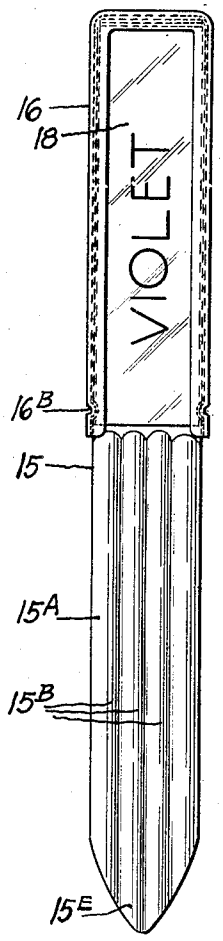


Fig. 2

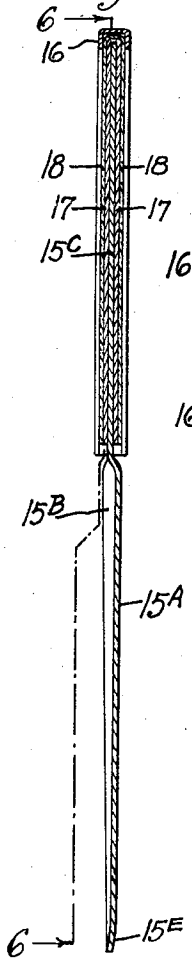


Fig. 3

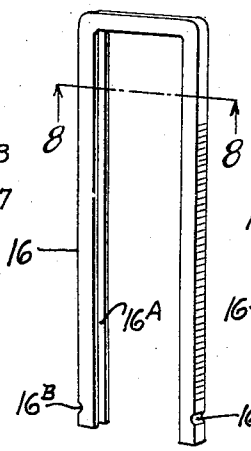


Fig. 4

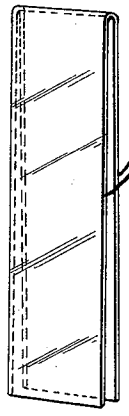


Fig. 5

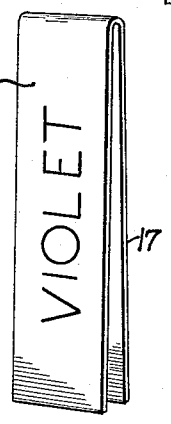


Fig. 6

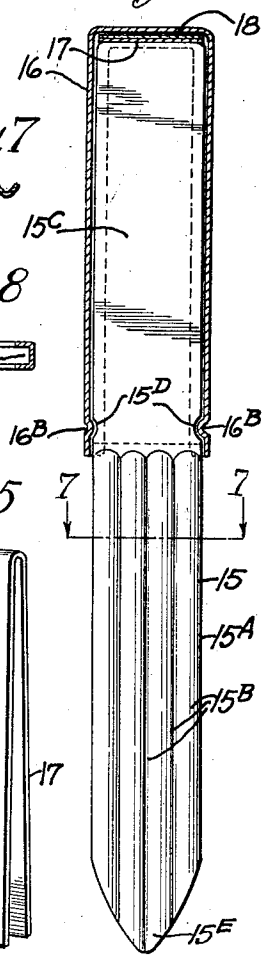


Fig. 7

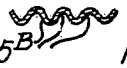


Fig. 8

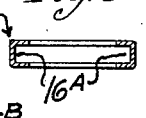


Fig. 9

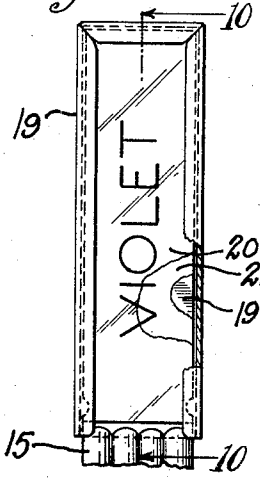


Fig. 10

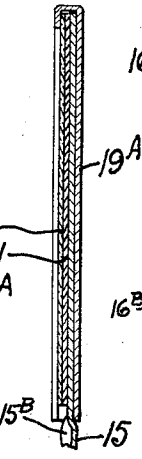


Fig. 11

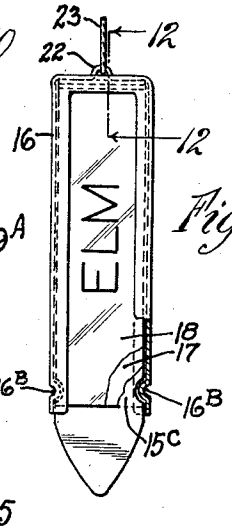
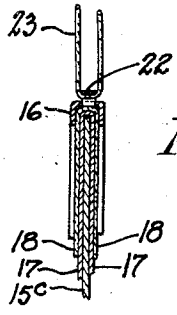


Fig. 12



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UNITED STATES PATENT OFFICE

JOHN BOROVICKA, OF HUBBARD WOODS, ILLINOIS

PLANT MARKER

Application filed May 22, 1931. Serial No. 539,197.

This invention relates to improvements in markers for identifying plants, trees, shrubs, and the like, and an object of the invention is directed to the provision of stake and tag type markers in which labels may be readily changed.

Another object is found in the provision of a waterproof and inexpensive covering for the labels which is a part of my improved marker.

Still another object resides in the particular formation of the stake of the marker which is corrugated and the corrugations of which gradually decrease in their maximum depth from the upper portion of the stake towards its lower pointed edge. These corrugations permit material of thin sheet metal such as zinc to be used in the manufacture of the stake and the gradual flattening of such corrugations toward the ground-insertable end of the stake affords the stake to be easily inserted into wet ground.

A further object of my invention is found in the adaption of the stake type to a tag type for use as a suspended tag from a branch of a tree or shrub.

With the above and other objects in view, my invention consists in the novel combination, construction and arrangement of the parts and members, shown in preferred embodiment in the attached drawing, described in the following specification and particularly pointed out in the appended claims.

Referring to the drawing:

Fig. 1 is a side elevation of a stake marker embodying my invention.

Fig. 2 is a vertical section through same.

Fig. 3 is a perspective view of the spring frame for the label portion.

Fig. 4 is a perspective view of the celluloid cover for the label.

Fig. 5 is a perspective view of the label.

Fig. 6 is a half section and half elevation taken on line 6—6 of Fig. 2.

Fig. 7 is a cross section of the stake blade taken on line 7—7 of Fig. 6.

Fig. 8 is a cross section of the frame taken on line 8—8 of Fig. 3.

Fig. 9 is a side elevation with part in section of a modified form of label frame.

Fig. 10 is a longitudinal section taken on line 10—10 of Fig. 9, showing the construction of the label portion of the modified frame.

Fig. 11 is a side elevation of a tree or shrub tag with a portion in section, and

Fig. 12 is an enlarged section taken on line 12—12 of Fig. 11.

Referring to the illustrations shown by Figs. 1 to 8, inclusive, the stake marker consists of a stake or blade 15, the lower or ground-insertable portion 15^A being formed with longitudinally extending corrugations 15^B the deformations of which are gradually flattened from the upper to the lower or ground-insertable pointed end 15^E, as clearly shown in Fig. 2.

The upper or label end 15^C of the stake 15 is flat or uncorrugated and is provided with notches 15^D disposed on opposite edges of the stake into which the inwardly pressed deformations 16^B of the spring frame 16 are snapped to retain such frame 16 on the upper part of the stake 15.

The frame 16 is made of light metal of inverted **U** formation and of channeled cross section as indicated by 16^A, the open end of the frame having the distance between the legs thereof slightly decreased to afford a resilient or spring action to such legs to permit them to snap over the edge of the stake with their inward deformations 16^B within the notches 15^D.

The label 17 which may be made of a paper strip is folded over itself and the identification marked thereon on both sides of the folded sides. This label is then placed over the upper portion 15^C of the stake with such portion 15^C lying between the folded sides of the label. A celluloid cover 18 of similar shape and length is then placed over such label 17 and then the frame 16 is slidably mounted over the celluloid cover with the edges of the celluloid cover 18 and label 17 disposed within the channeled sides of the cover 16. The cover 18 and label 17 are slightly narrower than the stake portion 15^C to permit the frame legs to snap with their inwardly disposed deformations 16^B into the notches 15^D.

It will now be readily apparent that the stake label is readable from both sides of the framed label; the label being protected from moisture and subject for a quick change of the identification thereon.

In the modification shown in Figs. 9 and 10, the construction is similar to that above described, the only difference being in the design and construction of the frame 19 which is fabricated with a solid metallic back 19^A to thereby present only one side for an identification label. The celluloid cover 20 and label 21 being formed of a single sheet of rectangular material.

In the tree or shrub marker shown in Figs. 11 and 12, I maintain the same construction for the label 17, celluloid cover 18, frame 16 and upper portion 15^C of the stake, but the lower portion of the stake 15 is obviously shortened to project slightly below the lower end of the frame 16 to permit a slight projection of same to permit it being held between the fingers during the removal of its cover to change the label, and an eye 22 is formed or pressed out of the upper cross portion of the frame for a flexible cord attachment to the branch of the tree or shrub.

I claim:

1. A marking device of the class described, comprising an elongated body, the upper part of said body having a flat portion and the lower part of said body being corrugated longitudinally thereof, a label adapted to be placed adjacent said flat portion of the body, a transparent cover for said label, a frame adapted to be positioned on said flat portion of the body, and cooperative means on said body and said frame for resiliently retaining said body and said frame together.

2. A marking device of the class described, comprising an elongated body, the upper part having a flat portion and the lower part of said body being corrugated longitudinally thereof, said corrugations being gradually flattened or decreased in depth from their upper ends toward the lower ground-insertable end of the body, a label adapted to be placed adjacent said flat portion of the body, a transparent cover for said label, a frame adapted to be positioned on said flat portion of the body, and cooperative means on said body and said frame for resiliently retaining said body and said frame together.

3. A marking device of the class described, comprising an elongated stake having its upper part flattened and its lower part corrugated longitudinally thereof, said corrugations being gradually decreased in depth in their cross section from their upper ends toward the lower ground-insertable end of the stake, a label folded over the flattened part of said stake, a transparent cover folded over said label, a frame adapted to be positioned over the upper end of said stake, and cooperative means on said stake and said frame for resiliently retaining said frame on said stake.

4. A marking device of the class described, comprising an elongated stake having its upper part flattened and its lower part corrugated longitudinally thereof, said corrugations being gradually decreased in depth in their cross section from their upper ends toward the lower ground-insertable end of the stake, a label folded over the flattened part of said stake, a transparent cover folded over said label, a frame adapted to be positioned over the upper end of said stake, said frame being fabricated of a member of channeled cross section to engage the side and top edges of said label and cover, and cooperative means on said frame and said stake for resiliently retaining said frame on said stake.

5. A marking device as embodied in claim 4, wherein said cooperative means on said frame and said stake comprise a pair of notches on said stake, one on each side thereof, and a pair of deformations on the free ends of said frame, said free ends of said frame being adapted to spring over the sides of the stake with said deformations seated in said notches.

In witness whereof I affix my signature.

JOHN BOROVICKA.