

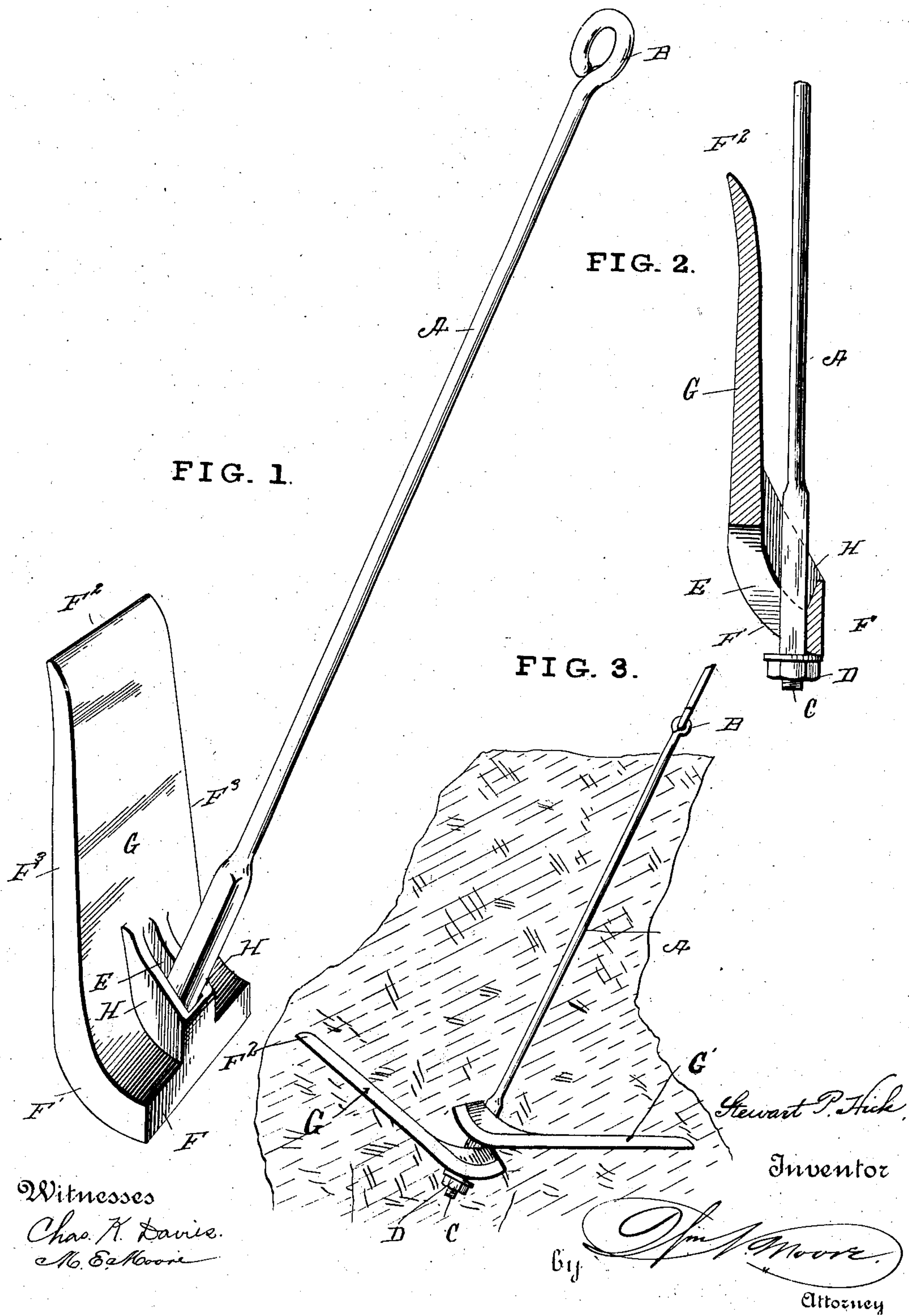
No. 769,083.

PATENTED AUG. 30, 1904.

S. P. HICK.
GROUND ANCHOR.

APPLICATION FILED MAY 5, 1904.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

STEWART P. HICK, OF WAPAKONETA, OHIO.

GROUND-ANCHOR.

SPECIFICATION forming part of Letters Patent No. 769,083, dated August 30, 1904.

Application filed May 5, 1904. Serial No. 206,492. (No model.)

To all whom it may concern:

Be it known that I, STEWART P. HICK, a citizen of the United States, residing at Wapakoneta, in the county of Auglaize and State of Ohio, have invented certain new and useful Improvements in Ground-Anchors, of which the following is a specification.

My invention relates to improvements in ground-anchors; and one object of my invention is the provision of an anchor which when drawn upon by a rope or chain will become embedded and anchored firmly in the ground, and thus serve its function in a perfect manner.

Another object of my invention is the provision of an anchor which will be useful as a ground-anchor and which will be effective and will be of simple, durable, and inexpensive construction, thus combining the features of merit to commend it as desirable, useful, and practical for strengthening or sustaining poles carrying wires or other objects standing erect and under a strain and which it is desirable should be reinforced and held in rigid and stable manner.

With these objects in view my invention consists of an anchor embodying novel features of construction and combinations of parts, substantially as disclosed herein.

In the drawings, Figure 1 represents a perspective view of my anchor. Fig. 2 represents a vertical central section thereof; and Fig. 3 represents a side elevation of the anchor embedded in the ground and in use, two flukes being shown in this instance.

Referring to the drawings, the letter A designates the rod or shank of my anchor, having an eye or loop B for attachment to the rope or cable, which may sustain any suitable object in a rigid and stable position. The lower end of rod A is provided with the threaded portion C to receive the washer or plate and nut D, and it is desirable to have the rod or shank angular or square to prevent it from turning in the angular opening E in the upper broad curved end F of the fluke or blade G, the shoulders H being formed adjacent to the opening to strengthen the blade or fluke at the point of greatest strain. The fluke or blade has the upper broad curved end F, and from this end the blade forms a sinuous curved por-

tion F' and ends in the lower sharpened or reduced end F², and the fluke has the side walls F³ tapered, giving the fluke a wedge shape.

In operation the fluke or blade and the shank A are located in a hole prepared therefor in the ground and the hole filled in with earth. The peculiar shape of the fluke and its relative position on the shank causes it to bind or bind into the ground, and when strain is brought upon the rod or shank the fluke of the anchor enters the ground and firmly embeds itself therein, thus making a rigid anchor and serves its purpose in a practical and efficient manner. In some cases I employ a plurality of flukes, as G G' in Fig. 3. The anchor may be equipped with as many of these flukes as may be found desirable.

What I claim is—

1. An anchor consisting of the rod or shank, and the blade or fluke connected to the rod and of curved form, said rod having a lower angular portion and said anchor having an elongated angular opening to receive said angular portion and having shoulders around said opening, and clamping and securing devices carried by the lower end of said rod.

2. An anchor consisting of the rod or shank, and the fluke or blade of wedge shape and tapered from its upper to the lower or entering portion, said rod having a lower angular portion and said anchor having an elongated angular opening to receive said angular portion and having shoulders around said opening, and clamping and securing devices carried by the lower end of said rod.

3. An anchor consisting of the rod or shank, the blade or fluke curved and tapered from the upper to the entering portion and wedge-shaped, said rod having a lower angular portion and said anchor having an elongated angular opening to receive said angular portion and having shoulders around said opening, and clamping and securing devices carried by the lower end of said rod.

4. An anchor, consisting of the rod or shank, the blade or fluke having the opening to receive the rod or shank and the shoulders around said opening wedge-shaped and curved, said rod having a lower angular portion and said anchor having an elongated angular opening

to receive said angular portion and having shoulders around said opening, and clamping and securing devices carried by the lower end of said rod.

- 5 5. The combination in a ground-anchor of a rod or shank, a plurality of blades or flukes located thereon, said rod provided with an angular portion adapted to fit in complementa-

rily-shaped openings in the flukes, to prevent turning of said rod. 10

In testimony whereof I affix my signature in presence of two witnesses.

STEWART P. HICK.

Witnesses:

S. L. WICOFF,

C. E. HAIR.