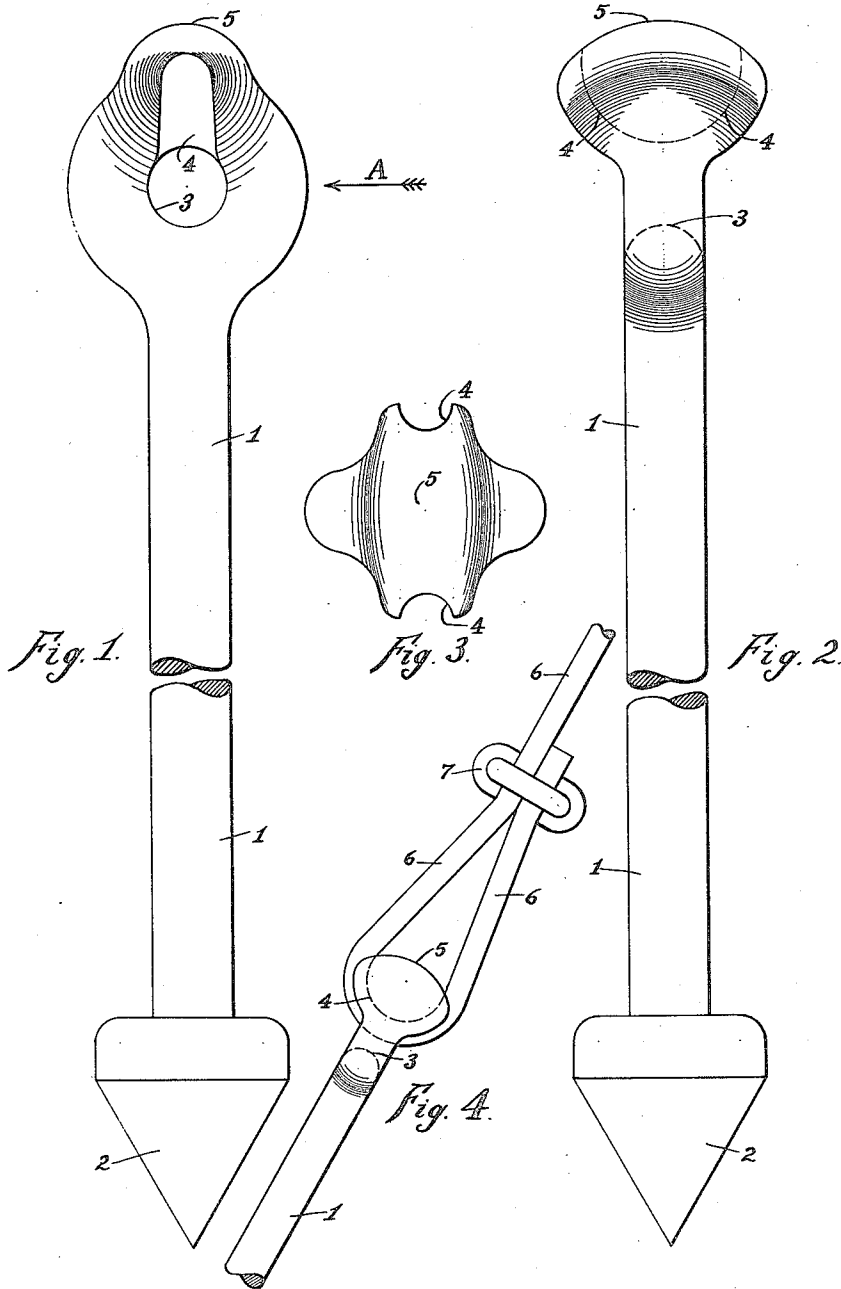


A. B. CHANCE.
ANCHOR ROD EYE.
APPLICATION FILED FEB. 21, 1918.

1,373,223.

Patented Mar. 29, 1921.



WITNESSES:

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ALBERT B. CHANCE, OF CENTRALIA, MISSOURI.

ANCHOR-ROD EYE.

1,373,223.

Specification of Letters Patent. Patented Mar. 29, 1921.

Application filed February 21, 1918. Serial No. 218,574.

To all whom it may concern

Be it known that I, ALBERT B. CHANCE, a citizen of the United States of America, residing at Centralia, in the county of Boone and State of Missouri, have invented a new and useful Anchor-Rod Eye, of which the following is a specification, reference being had to the accompanying drawings, illustrating the preferred form of the invention.

My invention relates to eyes for anchor rods or other rods or members used in conjunction with strain members such as wires, strands, ropes, or stranded cables.

The principal objects of my invention are, to provide an improved eye for rods or other members, of the character substantially as herein set forth; to provide an improved construction in such devices embodying both an eye and a thimble for a strain member; and to provide in such anchor rod eyes a reinforced construction enabling the rod to be vigorously driven into hard earth of various characters without damage to the eye. Other objects will be apparent from the following specification.

In the accompanying drawings, illustrating the preferred form of my invention, Figure 1 is a side elevation of an anchor rod provided with the improved eye of my invention; Fig. 2 is a side elevation of the rod and eye of Fig. 1, looking in the direction of arrow A with respect to Fig. 1; Fig. 3 is a top end view of Fig. 1, showing only the anchor rod eye construction; and Fig. 4 is a side elevation of my improved anchor rod eye, taken the same as Fig. 2, showing a strain member attached to the improved eye structure.

Like characters refer to like parts in the several figures.

In the drawings, 1 represents an anchor rod, preferably provided with a pointed portion 2 adapted to be driven into the earth and to cooperate with a suitable anchor plate, not shown, for guying telephone, telegraph, or other poles, smoke stacks, etc. The member 1 may, in certain instances, be a part of other devices besides anchor rods.

The top end of the rod 1 is provided with my improved eye structure, preferably as shown although it may be varied to give the desired results and to suit the requirements. The eye proper is shown at 3, the thimble portion at 4, and the reinforced portion to permit driving of the rod without damage

to the eye 3 or thimble portion 4 is shown at 5. I have preferably shown the opening 3 of the eye to be circular, transversely, but it may in certain instances be made in other shapes. The thimble portion 4 is preferably semicircular in longitudinal extent, as shown in Fig. 2, and concave in cross-section, preferably substantially semicircular. In use, the strain member 6 extends through the opening 3 of the eye and lies in the concave semicircular thimble portion 4 as shown in Fig. 4, the strain member 6 being held in association with the thimble portion 4 by a suitable clamp 7 or other suitable means. Thus my thimble portion 4 entirely takes the place of the separate thimble heretofore used in connection with anchor rod eyes and other strand-holding devices, and provides a large smooth bend for the strand 6 to pull against which protects the strand 6 from injury which it usually receives when pulling against the ordinary small eye without a thimble. The strain member 6 may be a single strand, or a twisted or stranded rope or cable, or, in fact, any suitable strain member.

The whole eye structure 3 4 5 is preferably drop-forged to shape from material upset from the end of the rod 1, in the construction shown, but it may be made in other manners without departing from my invention. Drop-forging is a very cheap and substantial method of making my improved eye structure.

The design of the anchor rod eye illustrated in this application, forms the subject-matter of my United States Design Patent No. 56,273, which issued on Sept. 14, 1920, for design for anchor rod eyes.

I do not wish to limit this invention to the exact details of construction herein set forth, as various modifications thereof may be made or utilized without departing from the scope of the appended claims.

What I claim as my invention is:

1. An anchor rod having an integral end portion thereof formed to provide an eye and a substantially semicircular groove extending through the eye and projecting from opposite sides thereof to form a curved bearing of increased perimeter for a strain member, the said groove having a substantially semicircular cross-section, the extreme end of the rod member being thickened to provide a reinforced driving portion.

2. An anchor rod having an integral end portion thereof formed to provide an eye and a curved groove extending through the eye and projecting from opposite sides thereof to form a curved bearing of increased perimeter for a strain member, the extreme end of the rod member being thickened to provide a reinforced driving portion.

As inventor of the foregoing I hereunto subscribe my name, this 16 day of February, 1918.

ALBERT B. CHANCE.

Witnesses:

NADINE THOMAS,
I. L. TRAUGHER.