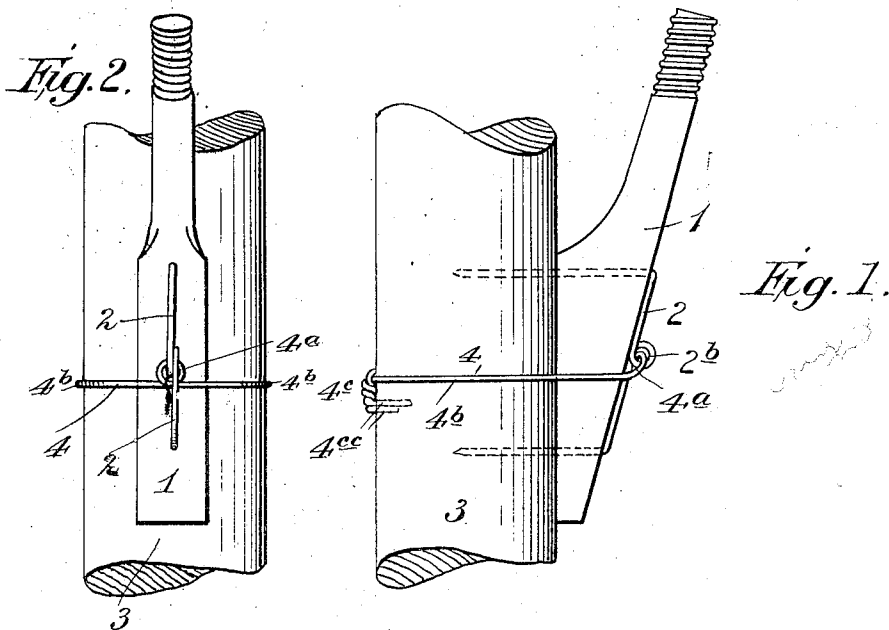
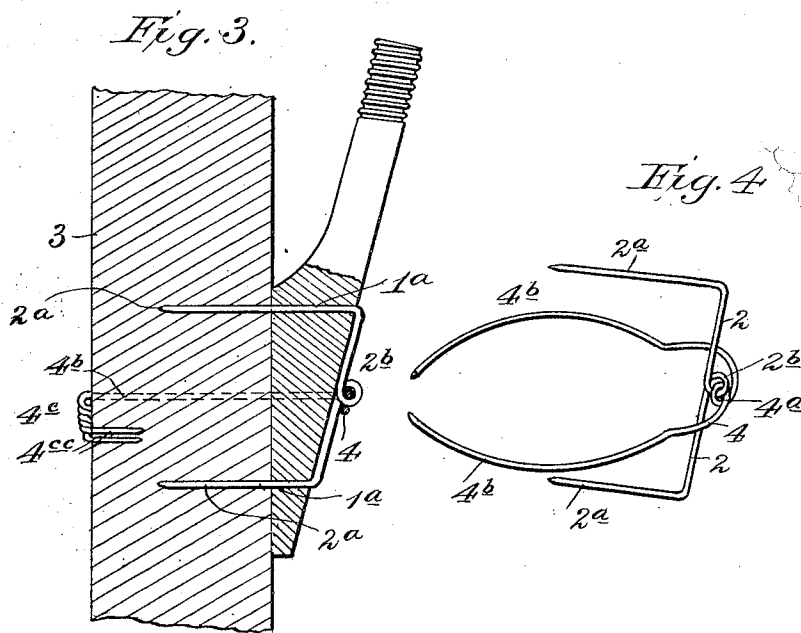


No. 794,645.

PATENTED JULY 11, 1905.

K. G. SPRINGEN.
INSULATOR BRACKET FOR TELEPHONE POLES, &c.
APPLICATION FILED MAR. 10, 1905.



WITNESSES:
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UNITED STATES PATENT OFFICE.

KNUDT G. SPRINGEN, OF ZUMBROTA, MINNESOTA.

INSULATOR-BRACKET FOR TELEPHONE-POLES, &c

SPECIFICATION forming part of Letters Patent No. 794,645, dated July 11, 1905.

Application filed March 10, 1905. Serial No. 249,502.

To all whom it may concern:

Be it known that I, KNUDT G. SPRINGEN, a citizen of the United States, residing at Zumbrota, in the county of Goodhue and State of Minnesota, have invented new and useful Improvements in Insulator-Brackets for Telephone-Poles, &c., of which the following is a specification.

My invention relates to improvements in insulator-brackets, especially for telephone-line poles, as well as telegraph-poles.

Said invention has for its object more particularly to effectively secure said brackets in position upon their poles and to accomplish that purpose without the use of nails, bolts, or like fastenings.

Said invention consists of certain structural features, substantially as hereinafter fully disclosed, and particularly pointed out by the claims.

In the accompanying drawings, Figure 1 is a view in side elevation of the preferred embodiment of my invention. Fig. 2 is what may be styled a "front" view of the same. Fig. 3 is a vertical section produced through the insulator-bracket and its fastening. Fig. 4 is a view showing the insulator-bracket-fastening members disassembled.

In the disclosure of my invention I employ the usual insulator-bracket 1, commonly employed for the like purposes of this invention.

A staple-like fastening member 2 has its arms or upper and lower right-angled terminals 2^a 2^b passed through apertures 1^a, suitably produced in the bracket 1, said arms or terminals being finally driven, as will be readily understood, into the pole 3, to which the bracket is thus being secured. Connection is thus effected at two different points between said bracket and said pole by said staple-like member, the same amounting practically to a common or single fastening providing for double means of connection. Said staple-like fastening member is formed or twisted upon itself intermediately of its ends into an eye 2^c, and through the latter is passed a stout wire

member 4, itself formed or twisted in like manner around the eye-forming portion of said member and upon itself, as at 4^a. The two arms or branches 4^b of said wire member thus formed are then passed or bound around the pole 3 and twisted together, as at 4^c, with the twisted-together portions thereof firmly hammered or bent down upon said pole, the terminals 4^c thereof being secured or driven into the latter, thus firmly and effectively binding or securing said wire member in place upon the pole, and accordingly aiding the securing or holding of the bracket-attaching member 2 thereon.

This contrivance, it is noted, does away wholly with the use of nails, bolts, and like fastenings for the purpose of this invention.

Latitude is allowed as to details herein, as they may be changed as circumstances suggest without departing from the spirit of my invention.

I claim—

1. A device of the character described, comprising a staple-like member having an eye intermediately of its ends, with its terminals passing through an insulator-bracket and penetrating a telephone or telegraph pole, and means adapted to connect with said eye and be bound upon said pole.

2. A device of the character described, comprising a staple-like fastening member having an intermediate eye portion and a binding wire member twisted into connection with said eye, said staple member having its terminals passing through an insulator-bracket and penetrating a telegraph or telephone pole, and said wire member encompassing said pole and having its end portions twisted together and firmly bound thereto.

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

KNUDT G. SPRINGEN.

Witnesses:

H. E. WEISS,
A. J. ROCKNE.