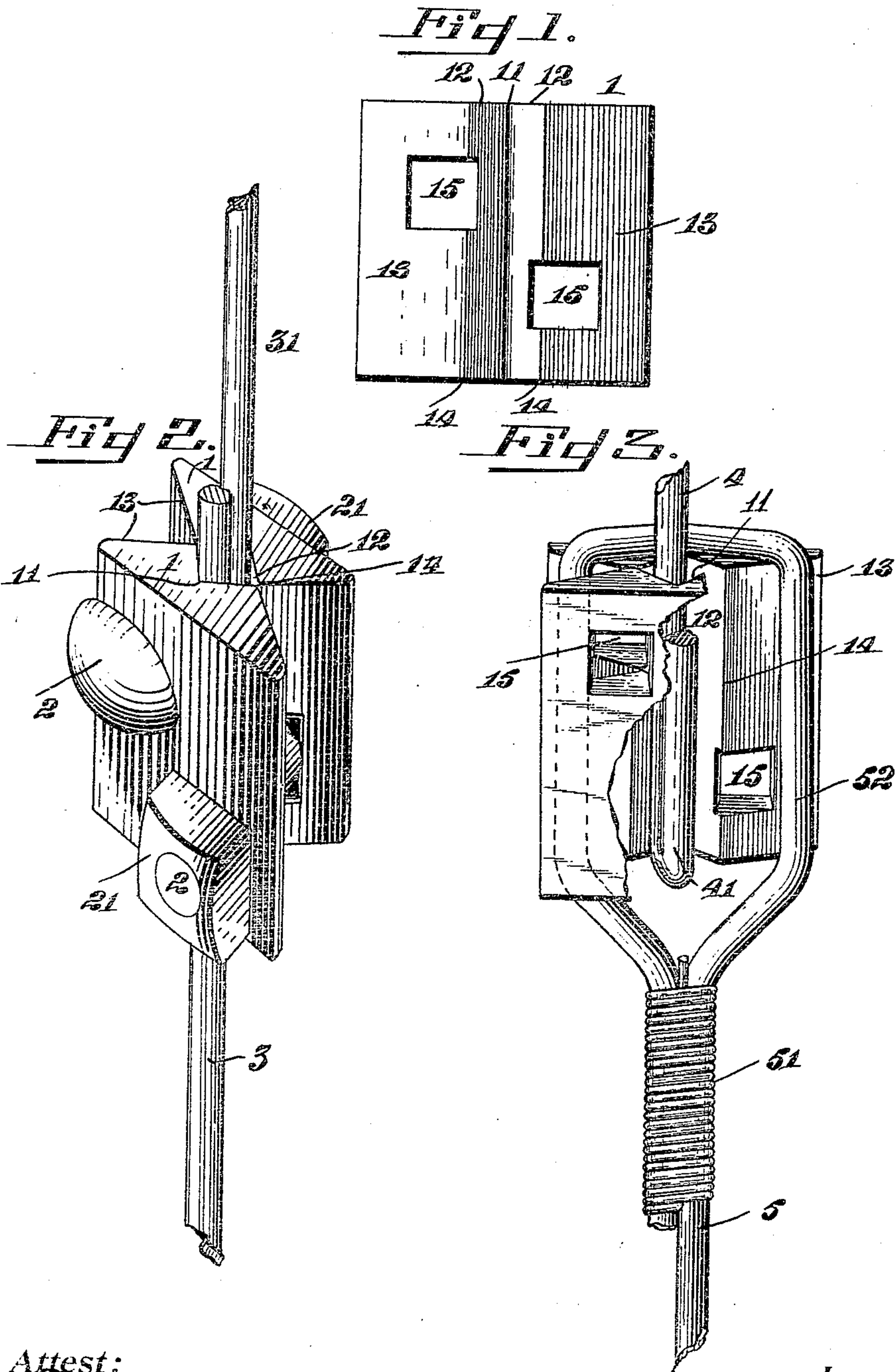


No. 801,395.

PATENTED OCT. 10, 1905.

F. D. OGDEN.  
GUY CLAMP.

APPLICATION FILED MAY 15, 1905.



Attest:  
*Comptroller*  
A. L. O'Brien

Inventor:  
FREDRIC D. OGDEN  
by Dickerson, Brown, Raegner & Birney  
Attys.



# UNITED STATES PATENT OFFICE.

FREDRIC D. OGDEN, OF NEW YORK, N. Y., ASSIGNOR TO OGDEN IRON & STEEL MANUFACTURING COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

## GUY-CLAMP.

No. 801,395.

Specification of Letters Patent.

Patented Oct. 10, 1905.

Application filed May 15, 1905. Serial No. 260,512.

*To all whom it may concern:*

Be it known that I, FREDRIC D. OGDEN, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Guy-Clamps, of which the following is a specification.

My invention relates to clamps such as are used for connecting or splicing guy-wires or cables or wires or cables used for similar purposes.

It comprises means for forcing the adjacent faces of the wire strongly against each other, for providing for the easy insertion of the wires in the clamp, and for engaging a looped wire or cable.

In the drawings, Figure 1 is an elevation of one section of my clamp. Fig. 2 shows in perspective the clamp in operation. Fig. 3, also in perspective, shows a different use of the clamp, the figure being partly broken away.

1 designates a clamp-section having a median groove 11, shown as V-shaped and formed by walls 12, inclined toward each other, and beveled sides 13, the walls 12 of the groove approaching the walls 13, so as to leave narrow faces 14 between them. The sections are pierced with bolt-holes 15, which pass chiefly through the beveled sides 13, as shown. When in use, the two similar sections 1 are secured together by bolts 2 and nuts 21, as shown in Fig. 2.

Fig. 2 shows the parts used to splice or secure together two pieces of wire 3 31, the clamp-sections engaging the ends of the wires, one wire being received in each groove 11, so that when the nuts 21 are tightened on the bolt 2 the adjacent faces of the wire will be very firmly forced toward each other, whereby any slip or accidental movement is prevented.

In Fig. 3 of the drawings I have shown a wire 4 having its end 41 bent upward, the wire 4 and end 41 each received in the groove 11 of one of the sections 1, which are then bolted together, as before. A wire 5 is then passed round the clamp-sections 1, being received into the recesses formed by the beveled sides 13 and lashed or spliced at 51 to form an eye 52, inclosing the clamp.

An advantage of forming the clamp-sections with beveled sides 13, extending ap-

proximately to the walls 12 of the groove 11, is that by slightly loosening one of the nuts 21 and removing the other bolt 2 the wires, as 3 and 31, may be readily inserted in the clamp, the clamp-sections rocking on the intermediate face 14 for this purpose.

It is of course understood that the term "wire" as used herein includes a cable, rope, or the like, which requires to be spliced or stretched, as shown.

It is obvious that certain mechanical changes may be made in my device without departing from my invention.

Without specifying materials or enumerating equivalents, what I claim is—

1. A guy-clamp section having in one of its faces a longitudinal groove for receiving a wire to be clamped, and having the same face formed with beveled sides, the section being provided with a bolt-aperture.

2. A guy-clamp section having in one of its faces an approximately V-shaped longitudinal groove for receiving a wire to be clamped, and having the same face formed with beveled sides, the section being provided with a bolt-aperture.

3. A clamp comprising two sections, each having in one of its faces a longitudinal groove for receiving one of the wires to be clamped and having the same face formed with longitudinally-beveled sides, and bolts for forcing said sections toward each other, whereby the adjacent faces of the wires are compressed together.

4. A clamp comprising two sections, each having a longitudinal groove for receiving one of the wires to be clamped and longitudinally-beveled sides, the walls of said groove and of said beveled sides approaching each other so as to leave only narrow faces of said sections intermediate of such wires, and bolts for forcing said sections toward each other, whereby the adjacent faces of the wires are compressed together.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FREDRIC D. OGDEN.

Witnesses:

C. P. BOYD,  
HENRY G. LAMB.