

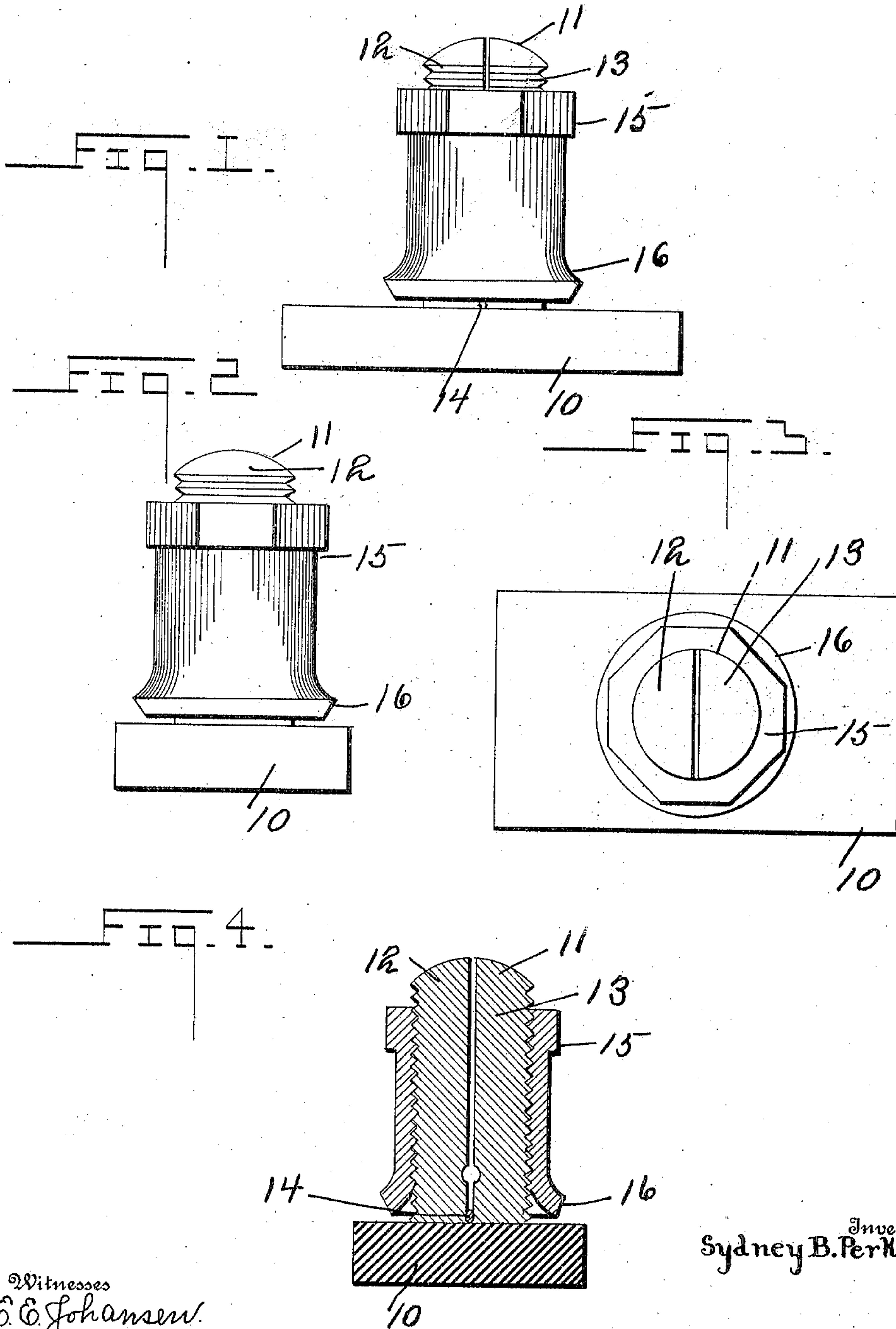
S. B. PERKINS.

ELECTRICAL CONNECTOR.

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947,754.

Patented Jan. 25, 1910.



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UNITED STATES PATENT OFFICE.

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ELECTRICAL CONNECTOR.

947,754.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SYDNEY B. PERKINS, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Electrical Connectors, of which the following is a specification.

This invention relates to electrical connectors and has special reference to a device which is applicable to a storage battery or the like.

An object of this invention is to construct a device of this character which will rigidly secure the wire in position and will form a good contact therewith.

A further object of this invention is a device of this character which is simple in construction and comprises but few parts so that the wire may be quickly and easily attached or detached from the same.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claim without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of a connector supported upon a metallic base, Fig. 2 is an edge elevation of the same, Fig. 3 is a top plan view, Fig. 4 is a vertical section of the connector.

Referring to the drawings, 10 designates a base upon which the connector is mounted which is formed of an electric conducting substance and which carries upon its upper face a bolt 11 which is longitudinally and diametrically recessed to form two sections 12 and 13 which are adapted to be forced into engagement with one another for the purpose of securing a wire 14 rigidly in position. The bolt 11 is soldered or otherwise permanently secured to the base 10 so that

the sections 12 and 13 are tensionally held apart and return to their separated positions upon the release of the same. A collar 15 which is internally threaded and which has a flared portion 16 about its lower edge is engaged over the upper extremity of the bolt 11 and fed downwardly upon the same by its engagement with the threads upon the outer face of the bolt 11. The upper extremity of the sleeve 15 is flanged to form an angular engaging surface to receive a wrench or the like when it is desired to actuate the collar or sleeve 15. The sections 12 and 13 are transversely recessed immediately of their length at their inner adjoining faces through which the wire 14 is adapted to be inserted when connecting the same to the base 10. The wire 14 is inserted in the recess intermediately formed in the bolt 11 and is forced downwardly between the sections 12 and 13 until the same has been securely wedged therebetween when the collar or sleeve 15 is placed upon the upper end of the bolt 11 and fed downwardly thereon to compress the sections 12 and 13 and to rigidly impinge the wire therebetween.

What is claimed is:—

A connector of the class described comprising a two-section externally threaded bolt, each of said sections having a semicircularly formed recess or groove disposed transversely upon the inner face thereof in registration with the opposite semicircular recess upon the opposite section, a collar internally threaded for engagement about said bolt, a flared lower extremity on said collar and an angular flanged portion disposed upon the upper extremity of said collar.

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

SYDNEY B. PERKINS.

Witnesses:

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