

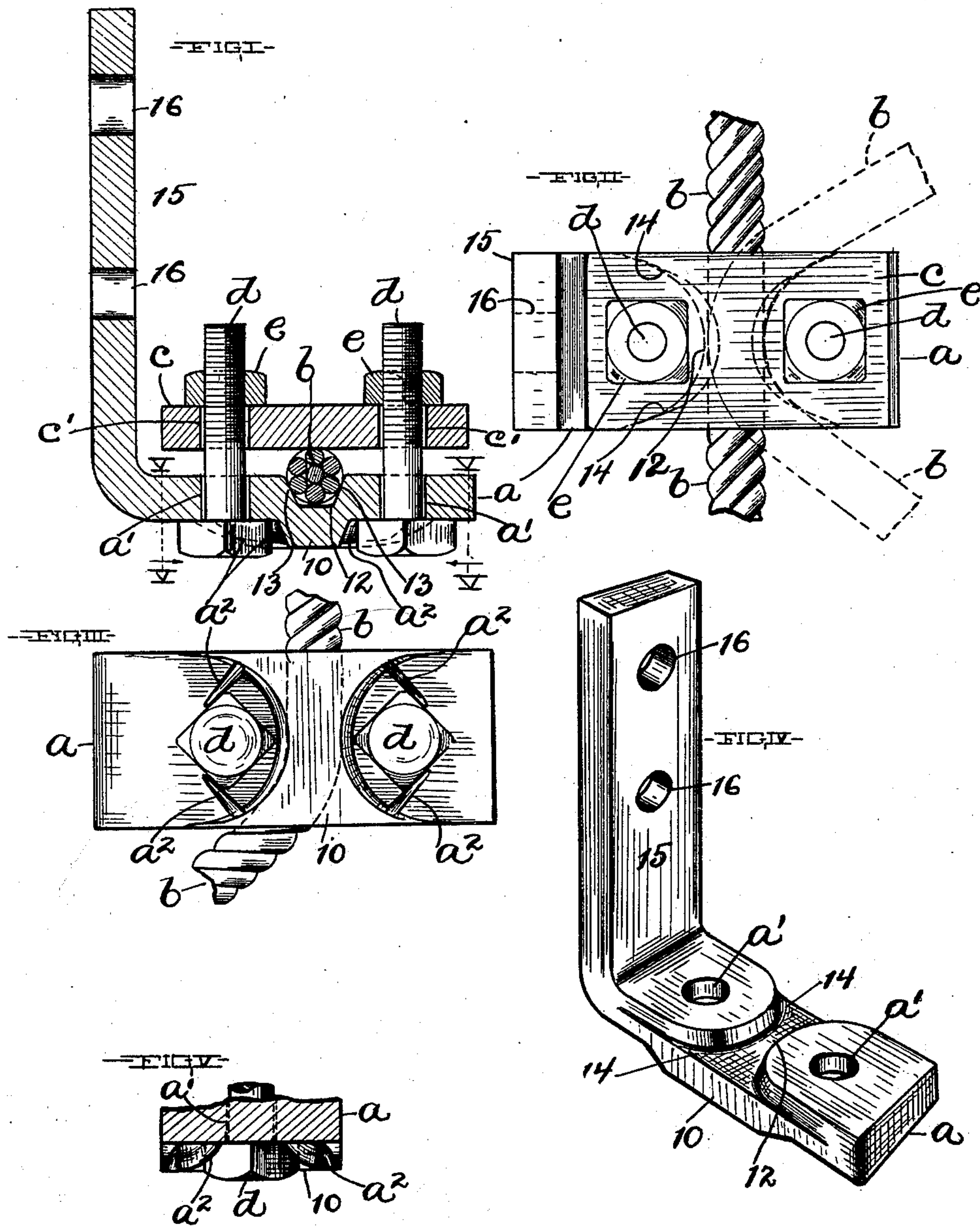
No. 685,827.

Patented Nov. 5, 1901.

S. DU PEROW.
HANGER FOR WIRES OR CABLES.

(Application filed Aug. 19, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

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NORTON TOOL COMPANY, OF WESTPARK, OHIO, A CORPORATION OF
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HANGER FOR WIRES OR CABLES.

SPECIFICATION forming part of Letters Patent No. 685,827, dated November 5, 1901.

Application filed August 19, 1901. Serial No. 72,580. (No model.)

To all whom it may concern:

Be it known that I, SILAS DU PEROW, a resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Hangers for Wires or Cables; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to improvements in hangers for supporting and guiding wires or cables.

The object of this invention is to provide a hanger of the character indicated which is suitable for use in supporting and guiding wires or cables running in different directions and which forms a universal hanger, because it takes the place of several hangers heretofore required to be kept in stock.

With this object in view the invention consists in certain features of construction and combinations of parts hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure I is a central vertical section of a hanger embodying my invention. Fig. II is a top plan. Fig. III is a bottom plan. Fig. IV is a view in perspective of the base-forming section of the hanger. Fig. V is a section in detail on lines V V, Fig. I.

My improved hanger consists, preferably, of a steel forging shaped as required to form a horizontally-arranged base *a*. The central portion of the base *a* is depressed, as at 10, to form a recess 12, which extends across the top of the said base and is open-ended. The recess 12 is just wide enough centrally between its ends to receive the wire or cable which is to be supported from and guided by the hanger. A cable *b* is shown extending through the recess 12 in Figs. I, II, and III. The opposite side walls of the recess 12 preferably diverge upwardly, as shown very clearly in Fig. I, and the cable *b* has bearing upon both of the said walls, as at 13. The recess 12 is narrowest centrally between its ends and gradually increases in width, as at 14, toward each end to accommodate the extension of the cable supported from and guided by the hanger straight across the base

a, as shown in solid lines, Fig. II, or around or partially around the one or the other side wall of the recess 12, as shown in dotted lines, Fig. II, and in solid lines, Fig. III. The base *a* terminates at one end in an upwardly-projecting arm 16, having lateral holes or perforations 16 for the reception of bolts or devices (not shown) employed in securing the hanger to the hanger-supporting object. (Not shown.) A top plate *c* is arranged over the base *a* and extends across or bridges the recess 12 and rests upon and clamps the cable *b* to the base *a*. The plate *c* prevents, therefore, upward displacement of the cable *b*. The plate *c* is secured in position by bolts *d* and nuts *e*. The base *a* has two vertical bolt-holes *a'* and *a'* formed in the base at opposite sides, respectively, of the recess 12. The bolts *d* are arranged with their heads bearing or abutting against the under side of the base *a*. The plate *c* has two vertical bolt-holes *c'* and *c'* registering with the holes *a'* and *a'* of the base *a*. The shanks of the bolts extend loosely through the holes *a'* and *c'* and a suitable distance above the plate *c*, and nuts *e* are mounted upon the said shanks at the upper side of the plate *c*. It will be observed, therefore, that two bolts *d* and *d* extend through the base *a* and plate *c* at opposite sides, respectively, of the recess 12 and that the plate *c* upon properly manipulating the nuts *e* is caused to clamp or hold the cable *b* against the base.

The base *a* is provided adjacent to each bolt *d* with two ribs *a²* and *a²*, which are arranged as required to render them capable of engaging adjacent sides, respectively, of the head of the said bolt and prevent turning of the bolt. The said ribs converge from the central depressed portion 10 of the base and are instrumental also in reinforcing the base.

What I claim is—

1. A hanger of the character indicated, comprising a base provided, in its upper side, with an open-ended recess extending across the base and gradually enlarged toward its ends, and means for preventing displacement of a wire or cable extending through the said recess.

2. A hanger comprising a base depressed centrally to form an open-ended recess formed

in and extending across the upper side of the base and gradually enlarged toward its ends, and means for preventing upward displacement of a wire or cable extending through the
5 said recess.

3. The combination of the base-forming section of the hanger having an open-ended recess extending across the upper side of the base and gradually enlarged toward its ends,
10 a plate *c* arranged over the base and extending across or bridging the recess, a wire or cable extending through the recess and adapted to be held in place by the said plate *c*, bolts extending through the base and through the
15 said plate *c* at opposite sides, respectively, of the recess, and nuts upon the bolts, substantially as and for the purpose set forth.

4. The combination of the base-forming section of the hanger having an open-ended recess 12 extending across the upper side of the base and gradually enlarged toward its ends, as at 14, with the side walls of the recess diverging upwardly; a plate *c* arranged over the base and extending across or bridging the
20 recess; a wire or cable extending through the recess and having bearing upon the side walls of the recess; bolts extending through the base and through the said plate *c* at opposite sides, respectively, of the recess, and nuts
25 upon the bolts, all arranged and operating substantially as shown, for the purpose specified.

5. The combination of the base-forming section of the hanger having an open-ended recess extending across the upper side of the base and gradually enlarged toward its ends; a plate *c* arranged over the base and extending across or bridging the recess; the wire or cable extending through the recess and adapt-
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ed to be held in place by the said plate *c*; bolts having their shanks extending through the base and through the said plate *c* at opposite sides, respectively, of the recess; which bolts are arranged with their heads abutting or bearing against the under side of the base; nuts upon the bolts at the upper side of the aforesaid plate *c*, and ribs formed upon the under side of the base and arranged to be engaged by the bolt-heads and thereby prevent turning of the bolts.
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6. A hanger of the character indicated, comprising a base *a* provided, at one end, with an upwardly-projecting arm 15 having lateral holes 16, which base is depressed centrally between its ends, as at 10, to form a recess 12 extending across the upper side of the base and gradually enlarged toward its ends, as at 14; a plate *c* arranged over the said base and extending across or bridging the recess; bolts having their shanks extending through the base and through the said plate *c* at opposite sides, respectively, of the recess, which bolts are arranged with their heads abutting or bearing against the under side of the base; nuts upon the bolt-shanks at the upper side of the aforesaid plate *c*, and the two ribs *a*² and *a*² formed upon the underside of the base at each side of and extending and converging from the central depressed portion of the base, all arranged and operating substantially as
55 60 65 70 shown, for the purpose specified.

Signed by me at Cleveland, Ohio, this 2d day of August, 1901.

SILAS DU PEROW.

Witnesses:

C. H. DORER,
A. H. PARRATT.