

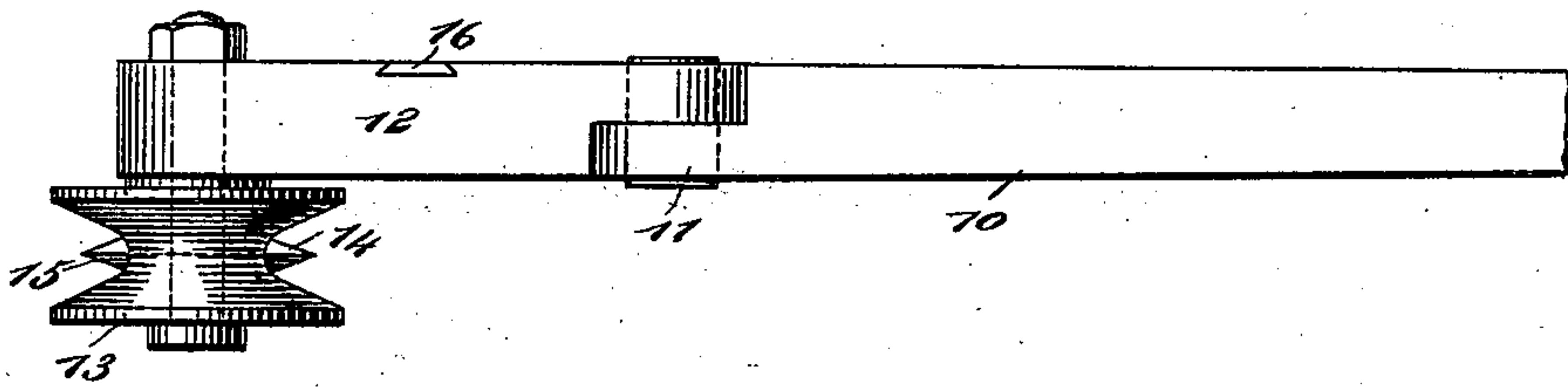
(No Model.)

W. McMURTRIE.  
WIRE STRIPPING TOOL.

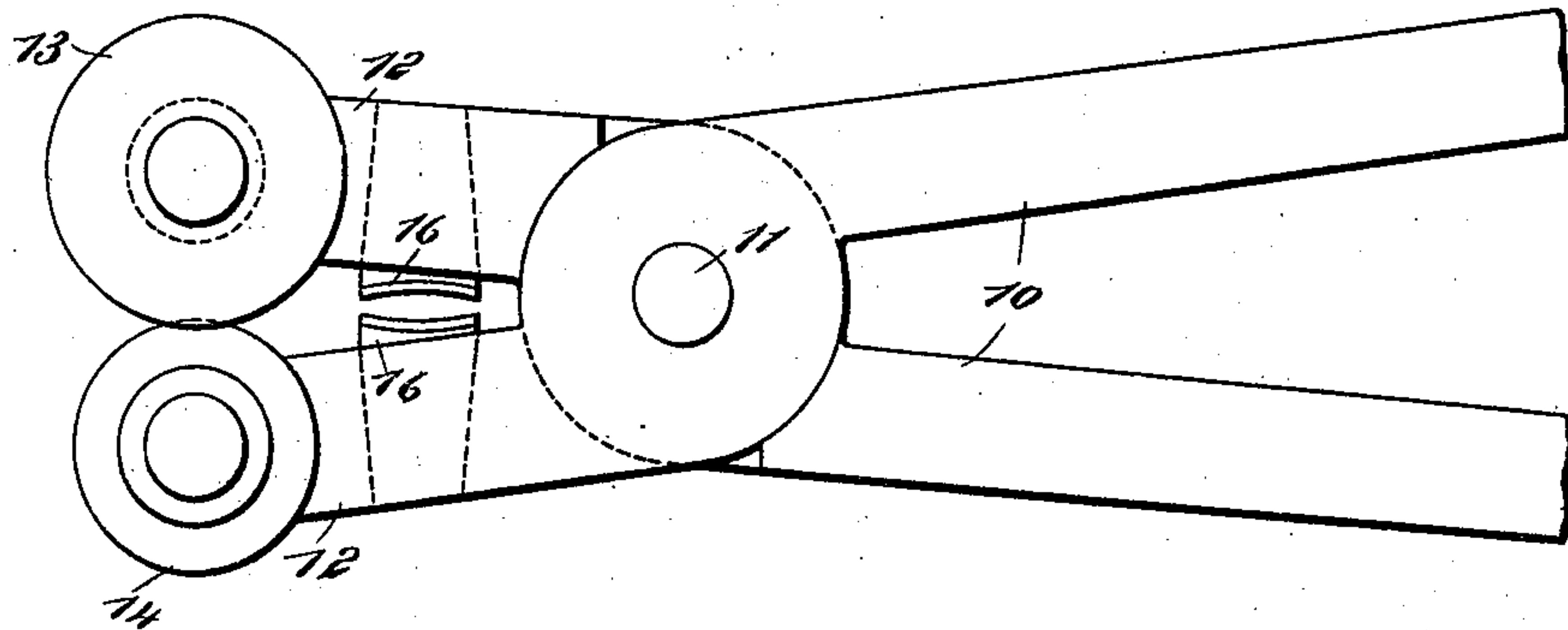
No. 560,524.

Patented May 19, 1896.

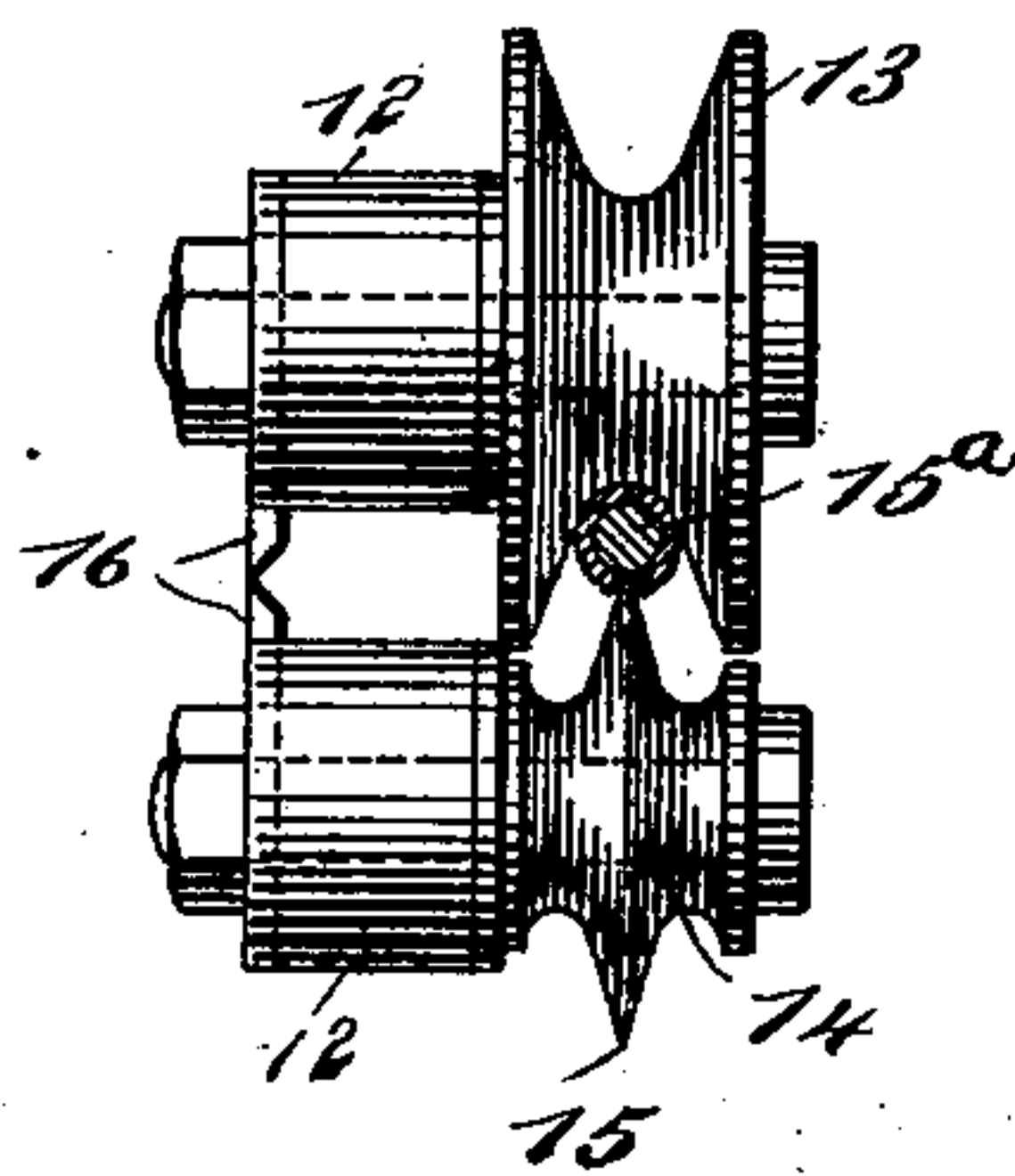
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

Edward Thorpe.  
H. B. Hutchinson

INVENTOR

W. M. Murtrie  
BY  
Munn & Co  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WILLIAM McMURTRIE, OF WEST SUPERIOR, WISCONSIN.

## WIRE-STRIPPING TOOL.

SPECIFICATION forming part of Letters Patent No. 560,524, dated May 19, 1896.

Application filed February 26, 1896. Serial No. 639,766. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM McMURTRIE, of West Superior, in the county of Douglas and State of Wisconsin, have invented a new and Improved Wire-Stripping Tool, of which the following is a full, clear, and exact description.

My invention relates to improvements in tools for stripping insulation from wires; and the object of the invention is to provide a very cheap, simple, and strong tool by means of which the insulating material on a wire may be conveniently stripped either from the ends of the wire or from any desired part thereof, and also to produce a tool which is adapted to split the insulation longitudinally to facilitate its easy removal, and is also adapted to cut the insulation transversely, so as to determine the length of the wire to be stripped.

To these ends my invention consists of a wire-stripping tool the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of my improved tool. Fig. 2 is a side elevation thereof, and Fig. 3 is an end view showing in cross-section a wire held between the bearing-wheel and cutting-disk of the tool.

The tool comprises handles 10, pivoted together, as at 11, and terminating in short jaws 12. On a stud extended laterally from one of the jaws 12 is mounted to rotate a peripherally-grooved bearing-wheel, and on a stud extended laterally from the opposite jaw is mounted to rotate a disk 14, having a cutting edge 15 adapted to enter the groove of the bearing-wheel.

By mounting the bearing-wheel and cutting-disk to project beyond the side plane of the jaws and also beyond the adjacent side plane of the handles it is obvious that the

tool may be drawn longitudinally along any desired length of wire to cut through the insulation, which would not be possible were the parts 13 and 14 mounted to rotate between the sides of the jaws. On the sides of the jaws 12, opposite the bearing-wheel and cutter-disk, blades 16 are secured and are designed for use in cutting insulation transversely or around a wire at a point from which it is desired to strip the insulation.

In use the bearing-wheel and cutter-disk are placed in engagement with the insulated wire represented at 15<sup>a</sup>, and then by pressing the handles together the cutter will be forced through the insulation, and upon drawing the tool lengthwise of the wire, or the wire lengthwise through the tool, the insulation will be severed and may be readily pulled off, thus adapting the wire for many purposes, such as making contact, splicing, &c.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A wire-stripping tool, comprising handles pivoted together and terminating in jaws, a peripherally-grooved bearing-wheel mounted to rotate on the side of one of the jaws and laterally of the adjacent side of the handles, and a cutter-disk mounted to rotate on the side of the other of said jaws and laterally of the adjacent side of the handles, whereby the tool may be drawn lengthwise of a long stretch of wire, substantially as specified.

2. A wire-stripping tool, comprising pivoted handles terminating in jaws, a grooved bearing-wheel mounted to rotate on a stud extended laterally from one of said jaws, a cutter-disk mounted to rotate on a stud extended laterally from the other of said jaws, and cutter-blades secured to said jaws, substantially as specified.

WILLIAM McMURTRIE.

Witnesses:

THOS. OLAFSON,  
A. SWORDLING.