

(No Model.)

F. N. LAWTON.
ELECTRIC CORD ADJUSTING DEVICE.

No. 602,235.

Patented Apr. 12, 1898.

Fig. 1 -

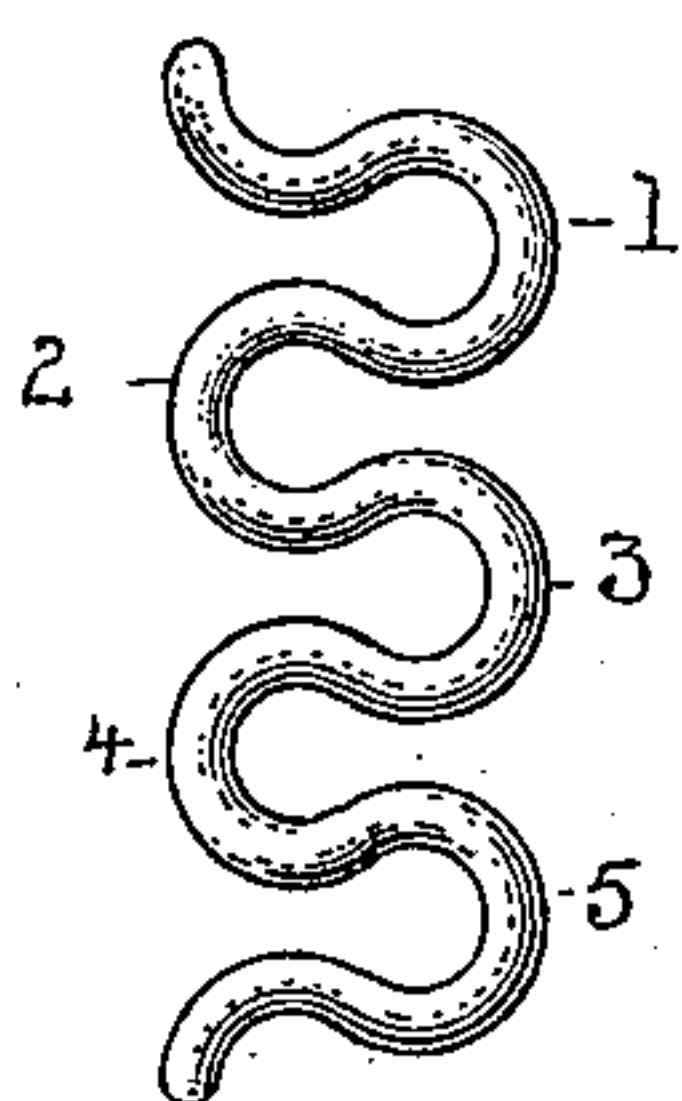
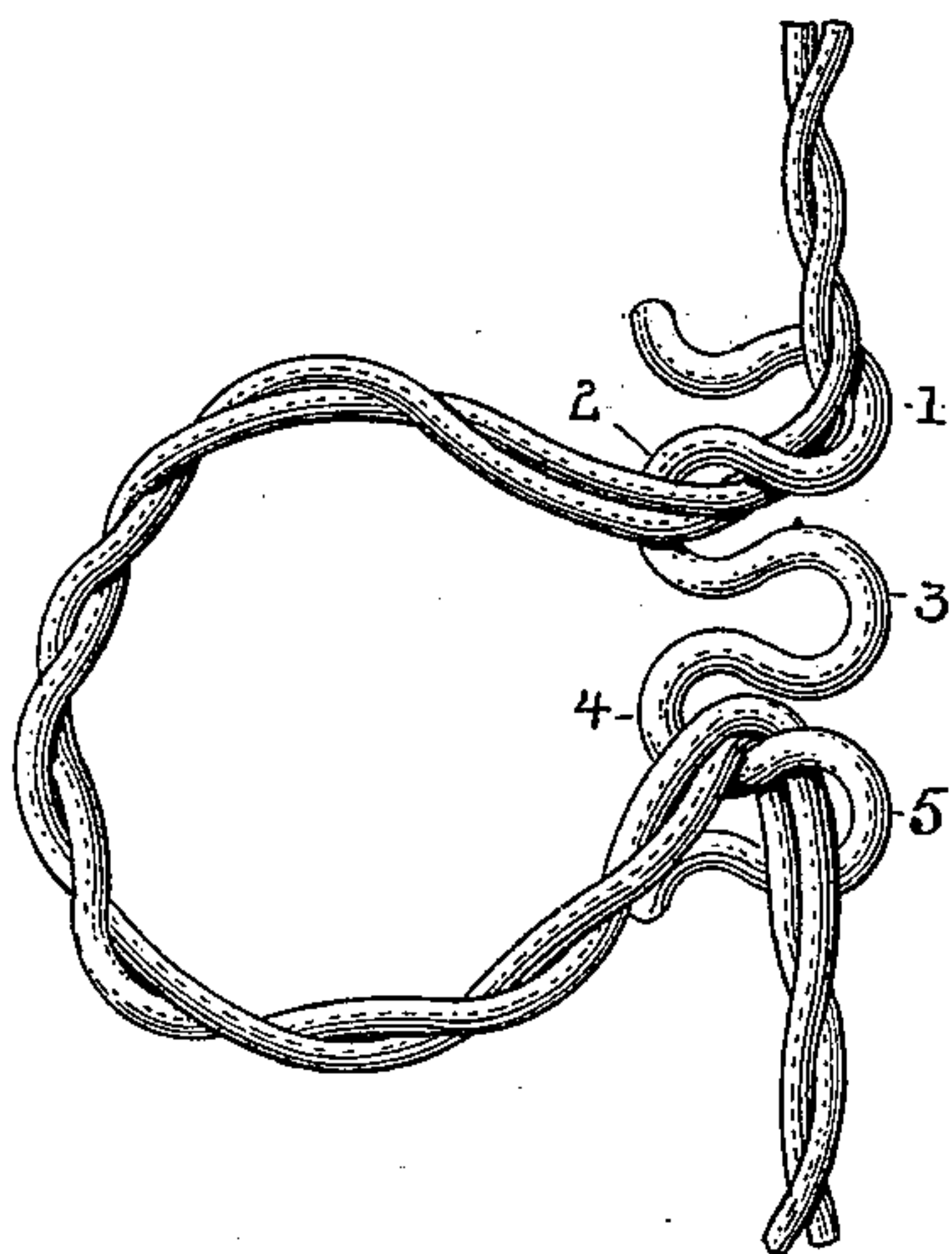


Fig. 2 -



WITNESSES:

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FRANCIS N. LAWTON, OF SUMMIT, NEW JERSEY.

ELECTRIC-CORD-ADJUSTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 602,235, dated April 12, 1898.

Application filed April 5, 1897. Serial No. 630,737. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS N. LAWTON, a citizen of the United States, residing at Summit, Union county, State of New Jersey, have
5 invented a new and useful Improvement in Electric-Cord Adjusters, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

10 My invention consists of an improved construction and arrangement of cord-adjusting device for use in varying the length of a flexible insulated conducting-cord from which an electric lamp may be suspended, as from the
15 ceiling of a room.

The object of my invention is to provide an effective, cheap, light, and durable adjusting device conforming to the requirements of the fire-insurance specifications.

20 My improved adjusting device consists of a wire or strip of metal having a smooth curved surface, which wire or strip is bent, stamped, crimped, or molded into a series of similar loops arranged in the same plane, successive
25 loops opening in the reverse direction and possessing but slight resilience, the surface of such wire or strip being covered or coated with an insulating coating having a hard, smooth, and velvet-like polished surface,
30 such as vitreous enamel or glazing. Such a surface permits of sliding the adjusting device along on the flexible cord, while the convolutions thereof successively reversed provide means for engagement with the cord of
35 such a binding nature that movement of the cord is prevented.

Figure 1 shows the detached device. Fig. 2 shows the device in position upon a flexible cord.

40 The numerals 1 to 5 indicate the crimps or loops of a metal wire—of brass, for example. Its surface is coated with vitreous enamel, the surface of which is smooth and possesses a velvet-like polish. I prefer to construct the

device with five successively-reversed loops 45 lying in the same plane. In Fig. 2 I show the double flexible cord so arranged that the slack or take-up portion is at the center loop 3, and at one side the cords are passed into one loop 2 and returned through the other 50 loop 1, while on the opposite side the cords pass in at loop 4 and out at loop 5. The metal wire employed has a certain slight degree of resilience, while its insulating-surface and the semiflexibility of the cord employed, 55 which is susceptible of sharp kinks as it is wound through the loops used in the described adjusting device, enable me to support and retain translating devices of considerable weight without danger of slipping or danger of 60 abrading or breaking the insulating-covering.

Having described my invention, I make the following claims:

1. The combination of flexible insulated electric conducting-cords with an adjusting 65 device therefor consisting of a wire, rod or form of metal having a smooth, curved, contact-surface, said wire being bent or crimped into a series of successively-reversed loops, and having a layer or coating of insulating 70 material on its surface; said flexible cord being intertwined with said adjusting devices, substantially as described.

2. An adjusting device for flexible insulated conducting-cords consisting of a metal 75 wire, rod or form of metal having a smooth, curved exterior surface, bent or crimped into a series of successive loops arranged in the same plane, and a layer or coating of insulating vitreous enamel thereon, substantially as 80 described.

In witness whereof I have hereunto set my hand this 2d day of April, 1897.

FRANCIS N. LAWTON.

Witnesses:

JAS. A. WADE,
F. J. ALDERSON.