

No. 660,813.

Patented Oct. 30, 1900.

R. C. GARDNER.

ROPE GRIP.

(Application filed Mar. 22, 1900.)

(No Model.)

Fig. 1

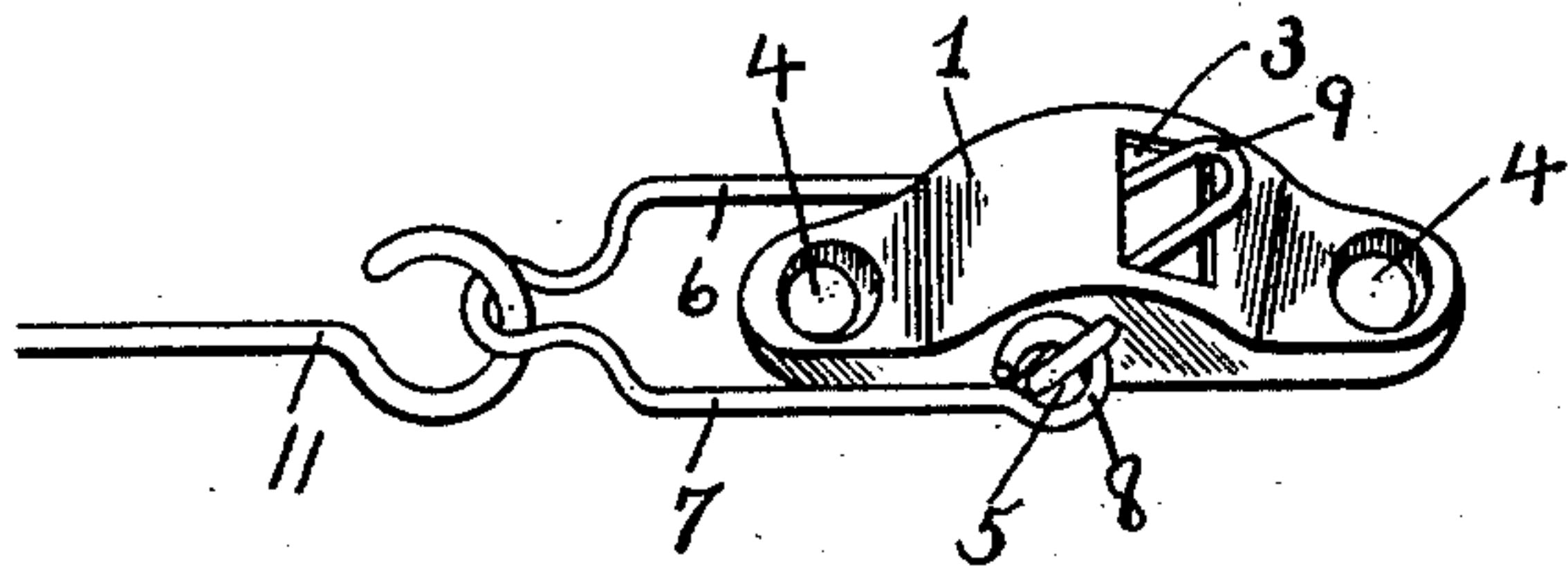


Fig. 2

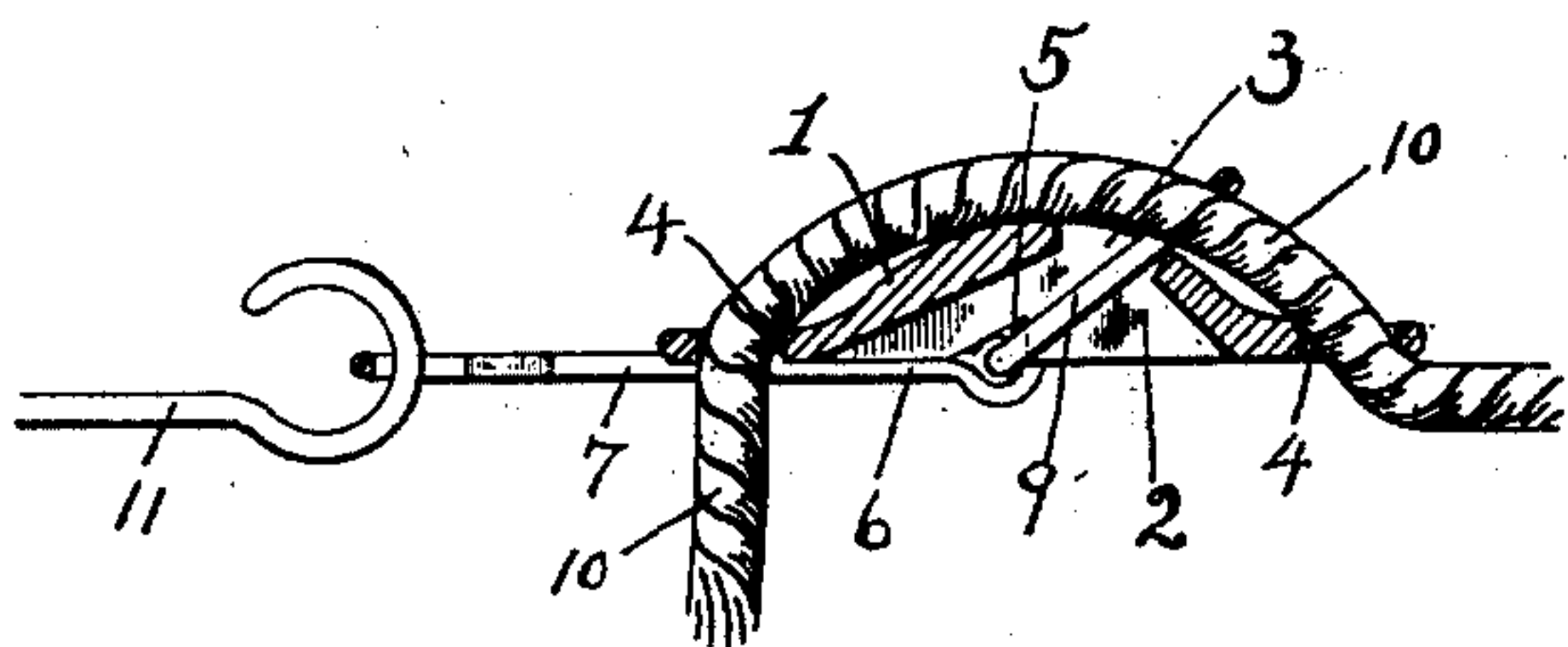
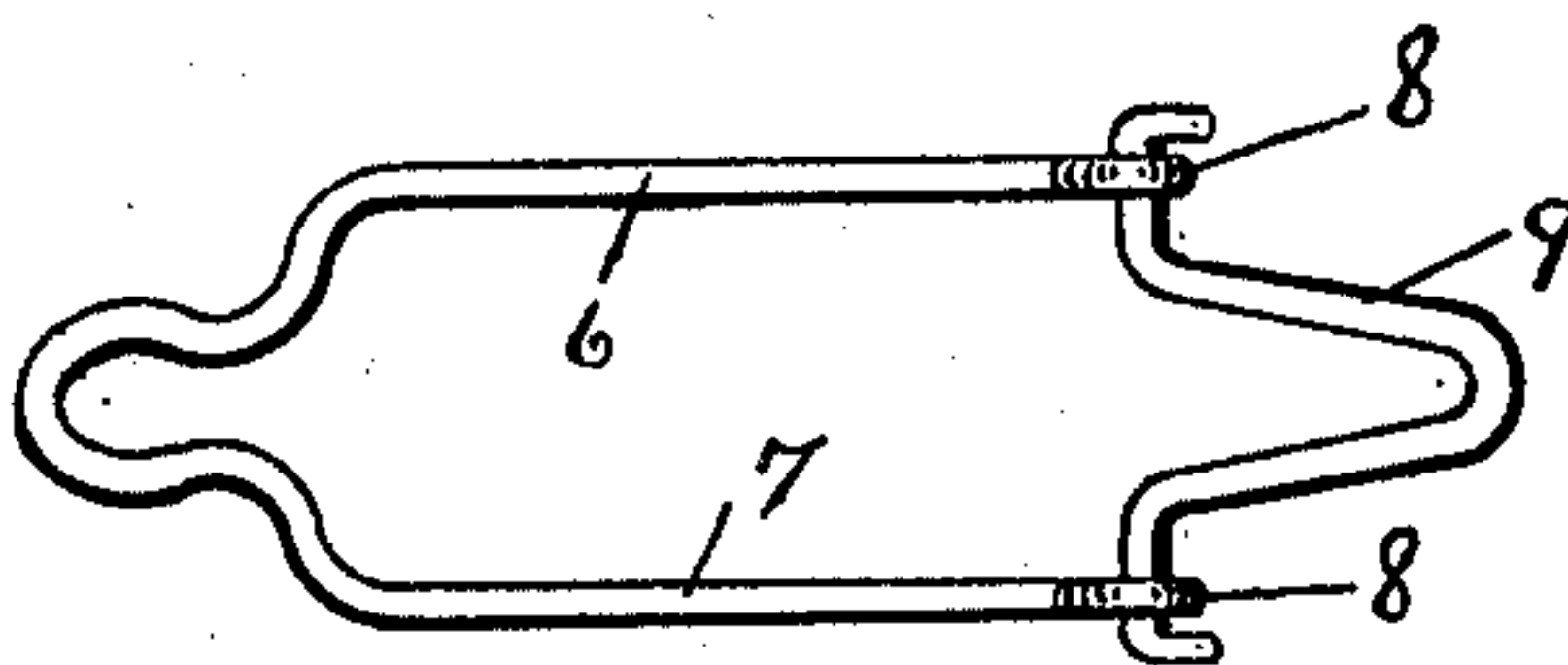


Fig. 3



WITNESSES:

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# UNITED STATES PATENT OFFICE.

RICHARD C. GARDNER, OF COLUMBUS, OHIO, ASSIGNOR OF ONE-HALF TO  
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## ROPE-GRIP.

SPECIFICATION forming part of Letters Patent No. 660,813, dated October 30, 1900.

Application filed March 22, 1900. Serial No. 9,646. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD C. GARDNER, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Rope-Grips, of which the following is a specification.

My invention relates to rope grips or clamps; and the objects of my invention are to provide a simple and effective device of this class wherein improved means are employed for adjusting and holding a rope taut and to produce certain improvements in details of construction and arrangement of parts, which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of my improved rope-grip. Fig. 2 is a central longitudinal section of the same, showing a rope running therethrough; and Fig. 3 is a plan view of a wire binder, which I employ in the manner hereinafter described.

Similar numerals refer to similar parts throughout the several views.

In carrying out my invention I employ an oblong grip or clamp body 1, the central portion of which is provided with an upwardly-extending rounded enlargement, the under side of said enlarged portion being recessed, as indicated at 2. Through the forward portion of the central enlargement of the body 1 I form a transverse pin 3, and in each end of said clamp or grip body I form a vertical opening 4. In each of the side walls of the body 1, at or near the center of the length of the latter, I form a notch or recess 5.

6 represents a wire binder, which consists of the substantially yoke-shaped body 7, the parallel arms of which are turned to form eyes 8 at their terminations. Into these eyes are hinged the laterally-extending arms or terminations of a binding-yoke section 9. The binder 6 is adapted, as indicated in Figs. 1 and 2 of the drawings, to have the parallel arms of its portion 7 embracing opposite sides of the body 1, the outturned arms or laterally-projecting terminations of the binding-

yoke 9 extending through and engaging said notches or recesses 5 of said body. The outer end of the yoke-section 9 projects, as shown in Figs. 1 and 2, through the opening 3 of the body 1.

In utilizing my invention the rope 10 to be clamped or gripped by my device passes upward through the forward end opening 4, thence through the upwardly and forwardly projecting portion of the yoke 9, and thence rearwardly over the body 1 and downward through the rear opening 4. This being accomplished, it will be observed that a pull on the body 1 or the rope will cause a binding engagement of said rope with said body and the binder-section 9, the tendency of the outwardly-projecting portion of said binder-section being to increase its pressure on the rope as the tension or pull on the latter is increased. As indicated in Figs. 1 and 2 of the drawings, the rearwardly-extending end portion of the binder-yoke section 7 may be engaged with a wall-hook, such as is indicated at 11, or with any other convenient rigid projection. It is evident by disengaging the yoke-section 7 from the hook 11 or other attaching-point and allowing the rope to slack slightly said rope may be pulled backward or through the opening 4 and binding-section 9, thus adjusting the grip to any position on the rope and taking up any desired amount of slack.

It will be observed that the construction of my improved grip or clamp is exceedingly simple and that the same may be produced at a reasonable cost of manufacture.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a rope-grip, the combination with the body 1 having end openings 4 and an opening between the latter, of a binder formed of hinged yoke-like sections, one of said sections projecting through said openings 8 of said body, substantially as specified.

RICHARD C. GARDNER.

In presence of—

C. C. SHEPHERD,  
A. L. PHELPS.