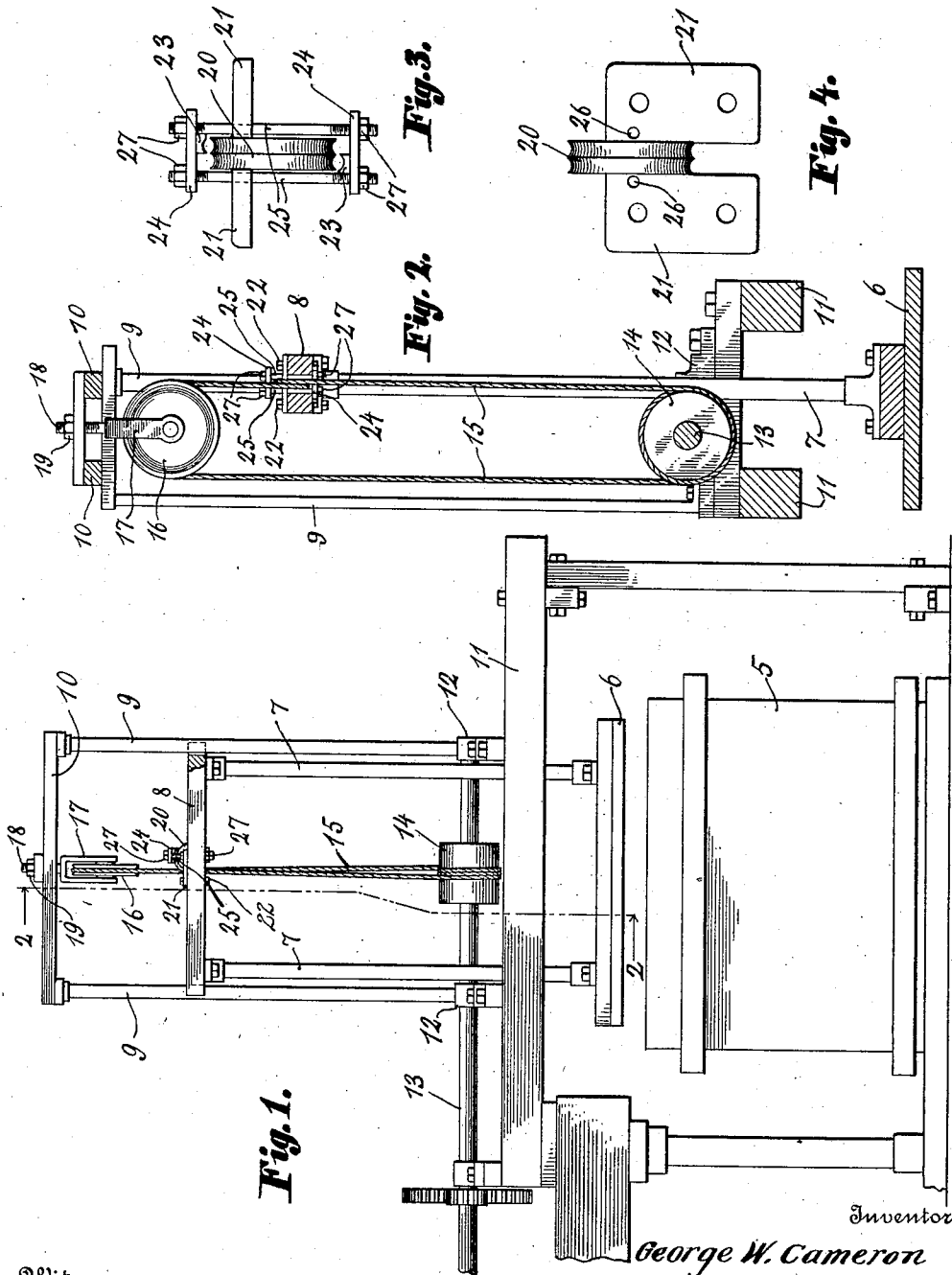


G. W. CAMERON.
ROPE CLAMP.
APPLICATION FILED AUG. 14, 1911.

1,024,974.

Patented Apr. 30, 1912.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE W. CAMERON, OF HONDO, TEXAS.

ROPE-CLAMP.

1,024,974.

Specification of Letters Patent.

Patented Apr. 30, 1912.

Original application filed June 10, 1911, Serial No. 632,362. Divided and this application filed August 14, 1911. Serial No. 643,977.

To all whom it may concern:

Be it known that I, GEORGE W. CAMERON, a citizen of the United States, residing at Hondo, in the county of Medina and State of Texas, have invented certain new and useful Improvements in Rope-Clamps, of which the following is a specification.

This application is a division of my pending application, Serial No. 632,362, filed June 10, 1911, the same disclosing a cotton press in which the plunger is operated by a windlass, the driving means of which latter are automatically reversed at regular intervals to advance and retract the plunger.

The present invention relates more particularly to the rope clamp carried by the crosshead of the plunger, the purpose being to provide a simple and efficient connection; and to this end the invention consists in a novel construction and arrangement of parts to be hereinafter described and claimed.

In the accompanying drawing forming a part of this specification, Figure 1 is an elevation of a fragment of the press showing the application of the invention. Fig. 2 is a vertical section on the line 2—2 of Fig. 1. Fig. 3 is an elevation of the clamp hereinafter referred to. Fig. 4 is a plan view of said clamp.

Referring specifically to the drawing, 5 denotes the press box in which the cotton or other material is compressed by a reciprocating plunger 6. The plunger is carried by stems 7 depending from a crosshead 8 which works between vertical guides 9. The guides are connected across at the top by beams 10.

Above the press box are arranged cross timbers 11 which carry bearings 12 in which is journaled a shaft 13. These timbers also support the guides 9. On the shaft 13 is mounted a drum 14 around which latter is wound several times a cable 15. One end of this cable passes over a pulley 16 carried by the beams 10, and then extends downwardly and is made fast to the crosshead 8. The other end of the cable extends upwardly from the drum and is made fast to the crosshead. The pulley 16 is carried by a hanger 17 provided with a threaded stem 18 on which is screwed an adjusting nut 19 for the purpose of keeping the cable taut on the drum.

The following means are provided for connecting the two ends of the cable to the crosshead: On the crosshead is mounted a casting which is in the shape of a pair of disks 20 placed side by side, and projecting sidewise therefrom are flanges 21 provided with perforations to receive bolts or other fastening means 22 whereby they are secured to the crosshead. The peripheries of the disks are grooved to receive the cable, one end of the latter being passed around one of the disks, and the other end being passed around the other disk. The ends of the cable are made fast by being clamped to the disks. The cable-clamping means comprise shoes 23 having a grooved face, said shoes being carried by plates 24. One of the shoes is opposite the periphery of one of the disks and the other shoe is opposite the other disk, and said shoes are located, respectively, above and below the disks. The plates 24 are slidably mounted on stems 25 which pass through perforations 26 in the flanges 21. The ends of the stems are threaded to receive nuts 27 which are adapted to be screwed against the plates for the purpose of advancing the shoes to clamp the ends of the cable to the respective disks.

The drum shaft 13 is driven by a mechanism which is automatically reversed at regular intervals in order to impart a reciprocatory motion to the plunger 6. This mechanism has not been illustrated in the present case as it forms the subject-matter of the previous application referred to.

I claim:

1. A cable clamp comprising a pair of disks having grooved peripheries to receive the ends of a cable, attaching flanges extending laterally from the disks, stems carried by the flanges on opposite sides of said pair of disks, plates slidably mounted on the stems, between which plates the disks are located, shoes carried by the plates opposite the peripheries of the disks, one of the shoes being opposite the periphery of one of the disks and the other shoe being opposite the periphery of the other disk and means for adjusting the plates to engage the shoes with the ends of the cable and clamp the same to the disks.

2. A cable clamp comprising a pair of disks having grooved peripheries to receive

the ends of a cable, attaching flanges extending from the disks, stems carried by the flanges, and shoes adjustably mounted on the stems for clamping the ends of the cables to the disks, said shoes being located, respectively, above and below the disks, and one of the shoes being opposite the periphery of one of the disks and the other shoe

being opposite the periphery of the other disk.

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

GEORGE W. CAMERON.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."