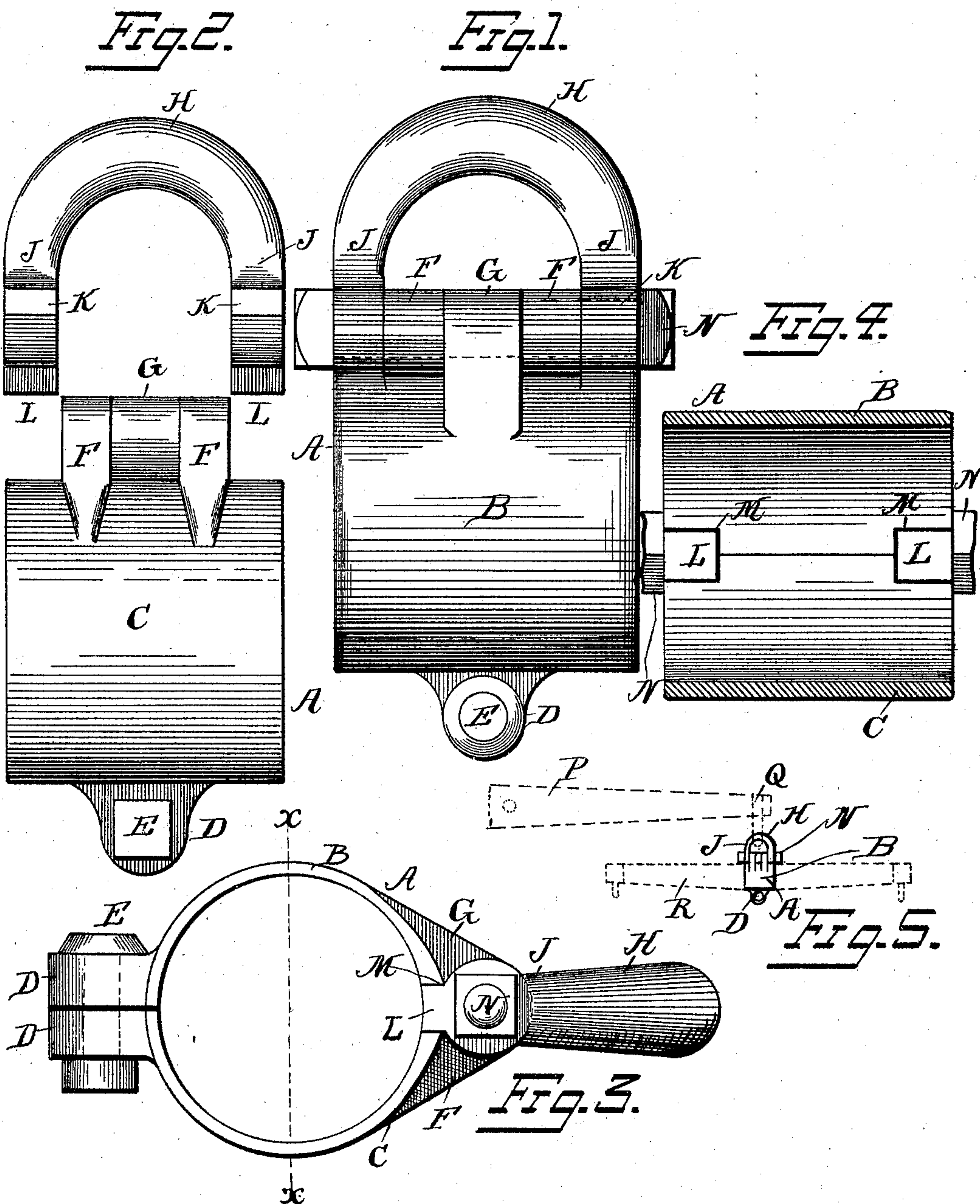


(No Model)

W. RODENHAUSEN.
SINGLE TREE COUPLING CLAMP.

No. 585,987.

Patented July 6, 1897.



WITNESSES.
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WILLIAM RODENHAUSEN, OF PHILADELPHIA, PENNSYLVANIA.

SINGLETREE COUPLING-CLAMP.

SPECIFICATION forming part of Letters Patent No. 585,987, dated July 6, 1897.

Application filed February 24, 1897. Serial No. 624,893. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM RODENHAUSEN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Singletree Couplings or Clamps, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an improved construction of singletree coupling or clamp whereby I am enabled to apply the same readily and expeditiously to a singletree without piercing the latter and thereby weakening the same.

It also consists of a novel construction of shackle or clevis which is attached to the coupling or clamp in such manner that all oscillation or movement thereof relative to said clamp is prevented.

It further consists of novel details of construction, all as will be hereinafter set forth, and specifically pointed out in the claims.

Figure 1 represents a side elevation of a singletree coupling or clamp embodying my invention, the same being shown in detached position. Fig. 2 represents a similar view of the coupling, showing the shackle or clevis in detached position. Fig. 3 represents an end view of the coupling. Fig. 4 represents a section on line *xx*, Fig. 3. Fig. 5 represents a front elevation of a doubletree and singletree, showing the manner of attaching the clamp or coupling to the latter and of making connections from said clamp to the doubletree.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a singletree clamp or coupling, the same consisting of the members B and C, which are of circular or other desired shape, so as to readily engage and conform to the contour of the singletree, each of said members being provided with ears D, whereby they are held in juxtaposition at their lower portion by a bolt E or other suitable fastening device.

F designates a plurality of lugs which are attached to the member C oppositely to the ears D, between which is located, when the parts are assembled, the lug G, which is attached to the member B.

H designates a shackle or clevis which is

of substantially U shape in the present instance and has the limbs or members J, which are provided with the openings K near their lower portion, and the squared or polygonal-shaped extremities L, which engage recesses M in the upper portion of the members B and C, the relative position of said recesses being evident from Figs. 3 and 4, it being noticed that when the parts are assembled and the clevis H is in position its extremities L enter the openings M, and all the parts are held in assembled position by means of the bolt N or other suitable fastening device, attention being further called to the fact that the clevis H is positively locked in position with respect to the coupling or clamp A and is incapable of independent swinging or oscillation relative thereto.

The manner of making the connections between the singletree and doubletree will be understood from Fig. 5, in which P designates a doubletree and R a singletree which has the coupling A attached thereto, the clevis H thereof being engaged by a suitable hook or similar device Q, attached to the doubletree.

Especial emphasis is laid upon the fact that in the employment of my invention no necessity exists for piercing the wood of the singletree, and thereby weakening the same, and that the parts constituting the clamp can be readily and expeditiously assembled or disconnected, according to requirements.

It will of course be evident that changes may be made by those skilled in the art which will come within the scope of my invention, and I do not, therefore, desire to be limited in every instance to the exact construction I have herein shown and described.

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

1. A singletree-coupling having sections provided with lugs having openings, a clevis with openings in its limbs, and a bolt in the openings of said lugs and clevis, said sections having openings adjacent to said lugs to receive the angular ends of said limbs.

2. A singletree-coupling consisting of two sections having lugs for connecting said sections and ears with means for locking said sections in closed condition, a clevis provided with angular ends located in openings in said

sections, and a bolt or fastening device passing through openings in the ends of said clevis and through said lugs.

3. A singletree-coupling composed of sections, ears attached to said sections, means for holding said ears in juxtaposition, lugs oppositely located with respect to said ears, the upper portions of said sections adjacent to said lugs having openings therein, a clevis having openings common to said lugs and its extremities adapted to enter the openings in said sections whereby independent oscillation or movement of the clevis relative to said coupling is prevented.

4. In a singletree coupling or clamp, sections, ears attached to said sections, means for holding the latter in juxtaposition, lugs attached to said sections opposite to said ears, squared openings in said sections adjacent said lugs a clevis having squared ends adapted to enter said openings, openings in the limbs of said clevis adapted to be in alinement with openings in said lugs, and fastening devices common to said clevis and lugs.

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