

C. A. CHAMBERLIN
Studded-Links.

No. 168,081.

Patented Sept. 28, 1875.

Fig. 1.

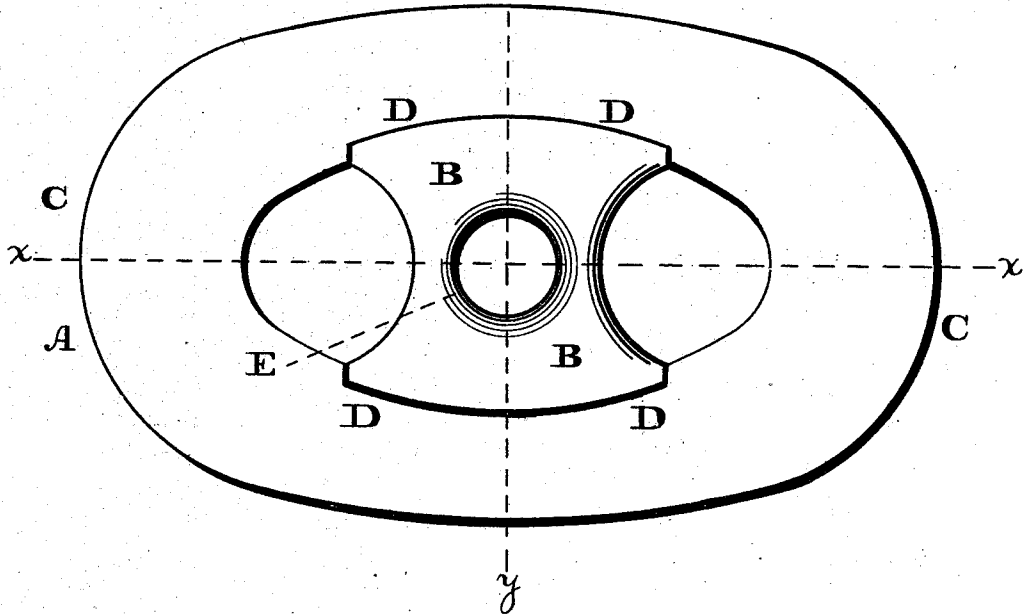


Fig. 2.

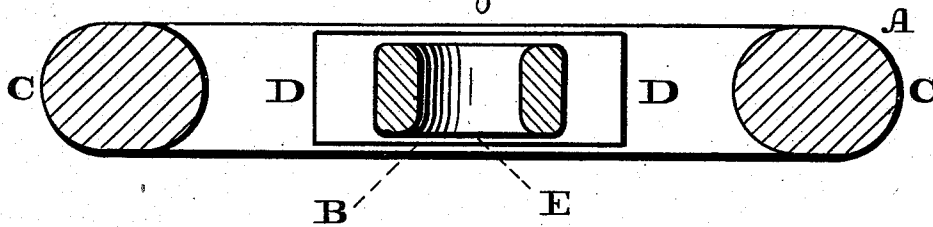
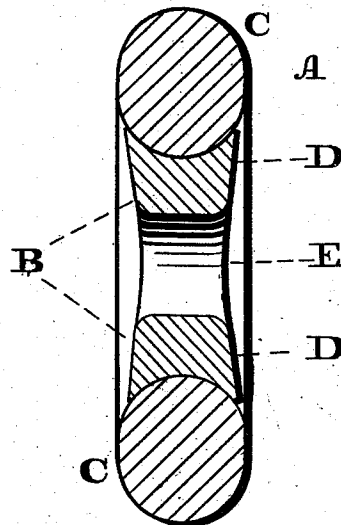


Fig. 3.



Witnesses:

Lewis, F. Bros,
Ac. P. Grant.

Inventor:

Chas. A. Chamberlin
by John A. Diederheim,
Atty.

UNITED STATES PATENT OFFICE

CHARLES A. CHAMBERLIN, OF CAMDEN, NEW JERSEY.

IMPROVEMENT IN STUDED LINKS.

Specification forming part of Letters Patent No. **168,081**, dated September 28, 1875; application filed August 30, 1875.

To all whom it may concern:

Be it known that I, CHARLES A. CHAMBERLIN, of the city and county of Camden and State of New Jersey, have invented a new and useful Improvement in Studded Links; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 is a top or face view of a link embodying my invention. Fig. 2 is a longitudinal section in line *x x*, Fig. 1. Fig. 3 is a transverse section in line *y y*, Fig. 1.

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

My invention consists of a chain-link having a stud perforated and formed with broad bases, in combination with flattened bends containing a greater area in cross-section than the sides, whereby additional strength is added to the link. It also consists of a chain-link having flattened bends, which contain a greater area in cross-section than the sides of the link.

Referring to the drawings, A represents a link, and B a stud or brace fitted thereto between its sides. C represents the bends of the link, which are flattened and contain a greater area in cross-section than the sides. The stud

or brace B has its bases D made broad, and, owing to the liability of a studded link to break on the inside near the stud, the bases D are made broad, so as to extend beyond the usual points of fracture of the sides of the link, and thus the leverage of the thrust of the stud is decreased, whereby the link is rendered exceedingly strong and reliable. Furthermore, additional strength is imparted to the links due to the flattened bends C, which contain a greater area in cross-section than the sides of the link. In the stud B is formed a perforation, E, which serves to remove unnecessary weight and affords means for engagement of a chain-hook.

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

1. A chain-link having a broad base-perforated stud, in combination with flattened bends containing a greater area in cross-section than the sides, substantially as and for the purpose set forth.

2. A chain-link having flattened bends C, which contain a greater area in cross-section than the sides of the link, substantially as and for the purpose set forth.

CHARLES A. CHAMBERLIN.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. GRANT.