

E. E. MATSON.
ADJUSTABLE OAR LOCK.
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958,704.

Patented May 17, 1910.

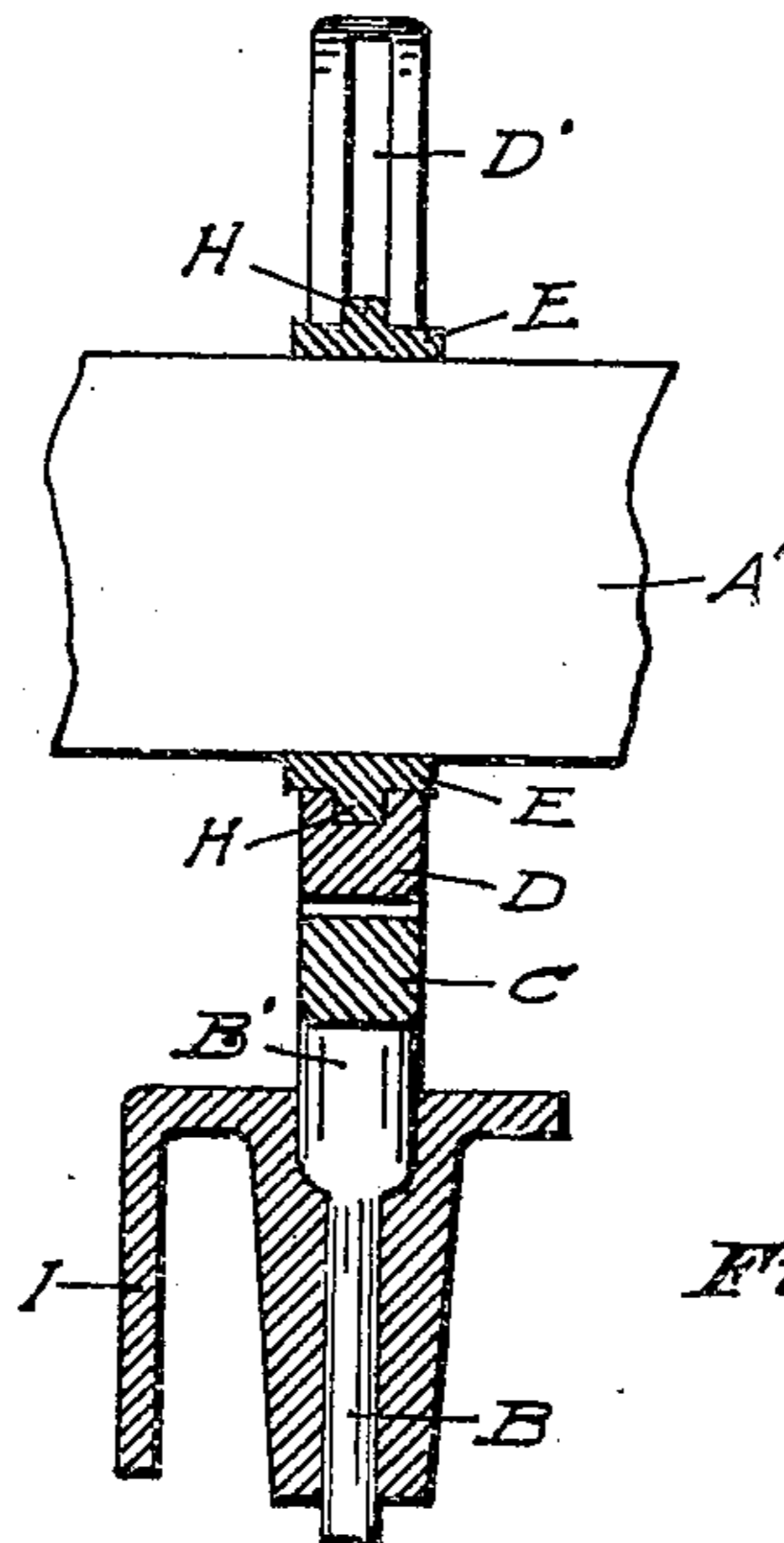


Fig. 2.

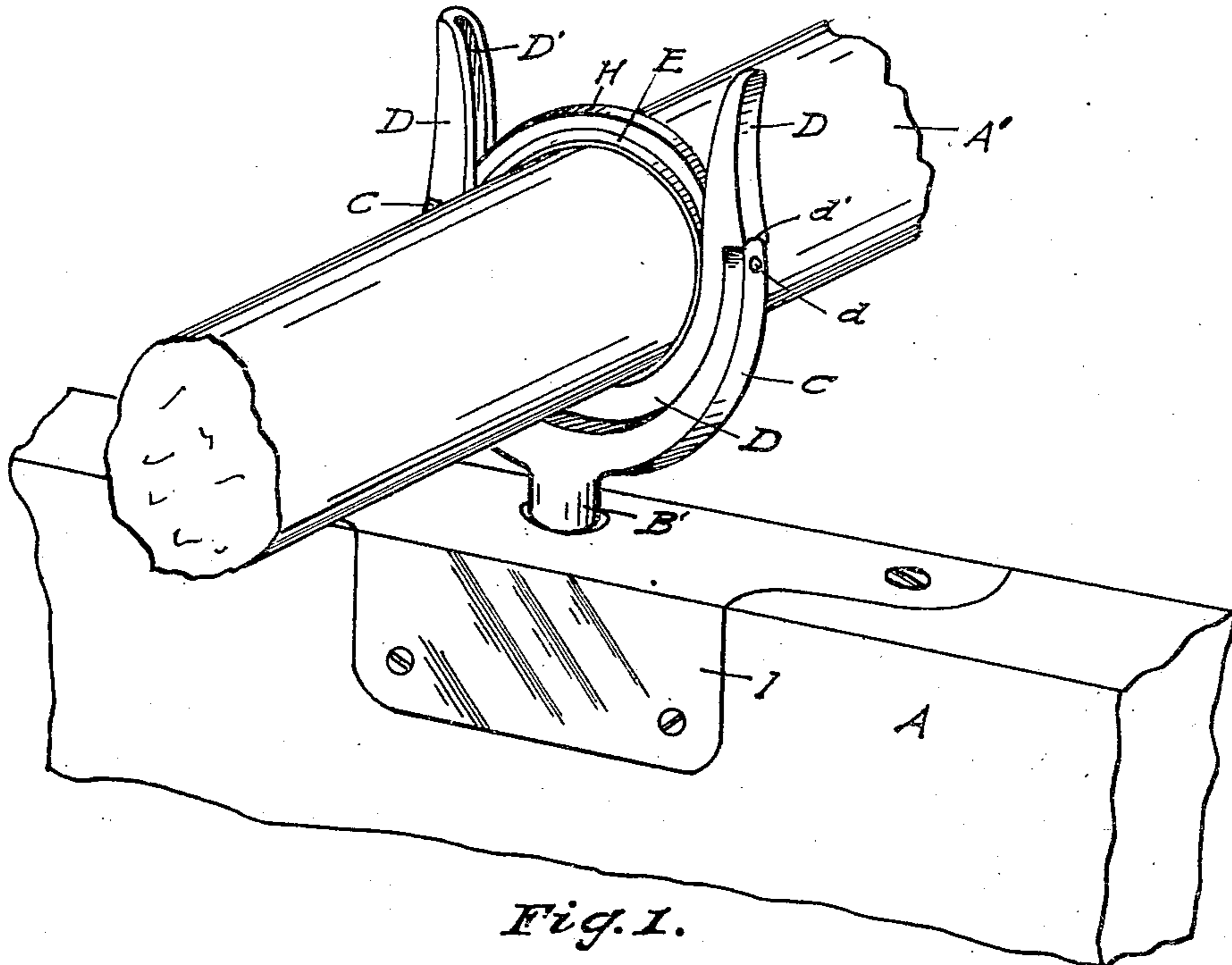


Fig. 1.

WITNESSES:

A. B. Cornelius
Evangeline B. Gibbons

INVENTOR:

Emanuel E. Matson
BY Eugene Ayres,
ATTORNEY.

UNITED STATES PATENT OFFICE.

EMANUEL E. MATSON, OF BIGELOW, MISSOURI, ASSIGNOR OF ONE-HALF TO COKE JACKSON, OF BIGELOW, MISSOURI.

ADJUSTABLE OAR-LOCK.

958,704.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed September 7, 1909. Serial No. 516,362.

To all whom it may concern:

Be it known that I, EMANUEL E. MATSON, a citizen of the United States, residing at Bigelow, in the county of Holt and State of Missouri, have invented certain new and useful Improvements in Adjustable Oar-Locks, of which the following is a specification.

The object sought by me in this invention is to provide an oar lock that is revoluble in its socket to any position, that will prevent the oar, when not in use, sliding out of the lock, that will hold the oar in a horizontal position or at any angle, that will obviate the necessity for the oar being pivoted in the lock, thus preventing the wear and frequent splitting caused by the pivot and that will secure a steadier motion than is attainable with the ordinary oar lock.

I accomplish my object by the mechanism illustrated in the accompanying drawings, in which,—

Figure 1 is a perspective view of said oar lock shown attached to the side of a boat, broken away, with oar in place, also broken away, and Fig. 2 is a sectional elevation of the oar lock showing its various parts.

Similar letters refer to similar parts in both views.

A is the side of a boat, broken away, and A' is an oar, also broken away.

B is a pivot socketed in the side of the boat. B' is a bearing on said pivot revoluble in the enlarged part of said socket. By means of this bearing the use of ball bearings is obviated and the wear by the pivot on the forward and rearward parts of the socket resulting from the pull at each stroke of the oar is greatly reduced. C C are projecting arms carried by said pivot; these arms are constructed shorter than those of the ordinary oar lock.

D is an oscillating lock member supported between arms C C by means of pins *d d* and provided with bearings *d' d'*. The upwardly projecting arms of said oscillatory member are deflected slightly inward at their points of pivotal connection with said oar lock arms. This oscillatory member is provided with a groove D'.

E is a band, preferably constructed of spring metal, adapted to fit on an oar; said band is provided with a central flange H corresponding with groove D' and extending around the entire circumference of the

band. This band is fastened rigidly on the oar and by reason of said flange engaging with said groove the oar is prevented slipping out of the lock. To remove the oar from the boat it is only necessary to raise the oar and its band up out of said groove.

I is a socket plate fastened on the side of the boat.

What I claim and desire to secure by Letters Patent, is,—

1. The combination with a boat provided with a socket enlarged at the top, of a pivot having a bearing at the top seated and revoluble in said enlarged portion of the socket, duplicate arms seated on said bearing and having central perforations at the top, an oscillatory member its arms provided with a continuous groove and projecting vertically above the other members and having perforations midway therein, pins projecting through the perforations in said duplicate arms and vertical arms carrying said oscillatory member pivotally, bearings on said oscillatory member arms engaging with the tops of said duplicate arms, an oar band provided with a flange around its entire circumference engaging with the groove in said oscillatory member, said band being adapted to fit rigidly on an oar and being unobstructedly revoluble within said oscillatory member, substantially as described and shown.

2. The combination with a boat having an enlarged socket, of an adjustable oar lock having an enlarged member engaging with said socket, an oscillatory member carried pivotally in said oar lock its upwardly projecting arms deflected slightly inward at their points of pivotal connection with said oar lock and provided with a continuous groove, bearings on said oscillatory member arms engaging with the top of said oar lock, a circular band and the flange thereon unobstructedly revoluble within said oscillatory member and retained within the lower part thereof by the pressure of the deflected portions of the arms of said oscillatory member, substantially as set forth and shown.

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

EMANUEL E. MATSON.

Witnesses:

ALEX McARTHUR,
P. F. VEST.