

No. 701,759.

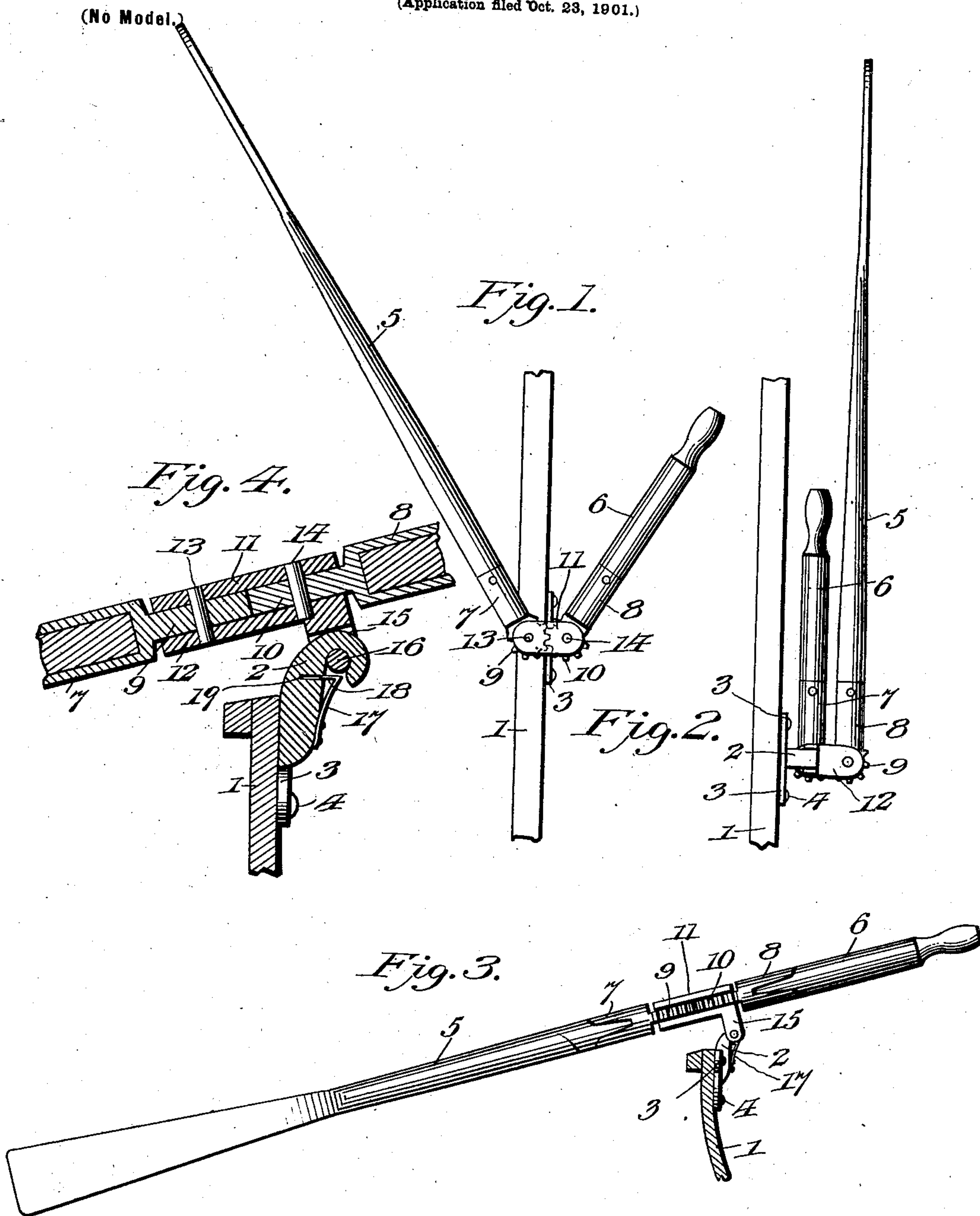
Patented June 3, 1902.

K. C. McNEILL.

OAR.

(Application filed Oct. 23, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

KNOWLTON CYRUS McNEILL, OF CHANDLERSVILLE, ILLINOIS.

OAR.

SPECIFICATION forming part of Letters Patent No. 701,759, dated June 3, 1902.

Application filed October 23, 1901. Serial No. 79,727. (No model.)

To all whom it may concern:

Be it known that I, KNOWLTON CYRUS McNEILL, a citizen of the United States, residing at Chandlersville, in the county of Cass and State of Illinois, have invented certain new and useful Improvements in Oars; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to oars and oar-locks, and more particularly to that class of oars known as "bow-facing" oars, which permit the oarsman to be seated so as to face the bow of the boat.

The primary object of the invention is to provide a jointed bow-facing oar in combination with an oar-lock so constructed as to permit the oars to be either turned to a position close to the side of the boat to avoid obstructions or to be turned over the side into the boat.

With this end in view the invention consists in the construction and combination of devices hereinafter fully described, and defined in the appended claims and shown in the accompanying drawings, in which—

Figure 1 is a top plan view of a portion of the side rail of a row-boat with my improvements applied thereto in position for rowing. Fig. 2 is a similar view showing the oar turned over into the boat. Fig. 3 is a vertical section of the boat with the oar shown in elevation; and Fig. 4 is a vertical section, on an enlarged scale, of the oar and a portion of one side of a boat.

The reference-numeral 1 designates the side of the boat, to the inner surface of which is secured the oar-lock, comprising a hook 2, formed at its lower end with laterally-projecting perforated ears 3 to receive securing screws or bolts 4.

The oar consists of a blade-section 5 and a handle-section 6, upon the meeting ends of which are fitted metallic ferrules 7 and 8, each formed integral with a segmental gear, (designated, respectively, by the numerals 9 and 10.)

11 and 12 designate parallel plates, between which the gears are mounted upon pintles 13 and 14. From the lower plate 12 at its inner

end depend two parallel ears 15, connected by a cross-rod 16.

The rod 16 engages under the hook 2, as best shown in Fig. 4, and to retain it within the hook I preferably employ a spring-dog 17, secured to the inner face of the hook and having its upper free end 18 bent at a right angle to adapt it to project into a slot 19, formed in the inner face of the hook.

The utility and operation of the improvement will be readily understood. The gear connection of the oar-sections permits the rower to propel the boat while facing the bow, as a backward pull upon the handle of the oar forces the blade-section rearward against the water, and to avoid an obstruction the blade-section of the oar may be pulled close to the side of the boat. The distinguishing characteristic of the invention, however, is that the hook form of the oar-lock permits both sections of the oar to be quickly turned over into the boat, which is an important consideration, especially in landing. This is effected by reason of the swiveled connection of the cross-rod 16 and hook 2.

I claim—

1. The combination with a row-boat, of an oar-lock comprising an inwardly-turned hook secured to the inner surface of the side of the boat, an oar comprising two sections having a gear connection and plates between which the gears are supported one of said plates having depending ears connected by a cross-rod engaging under the hook.

2. The combination with a row-boat, of an oar-lock comprising an inwardly-turned hook secured to the inner surface of the side of the boat an oar comprising two sections having a gear connection, plates between which the gears are supported one of said plates having depending ears connected by a cross-rod engaging under the hook, and a spring-dog for retaining the cross-rod in engagement with the hook.

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

KNOWLTON CYRUS McNEILL.

Witnesses:

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