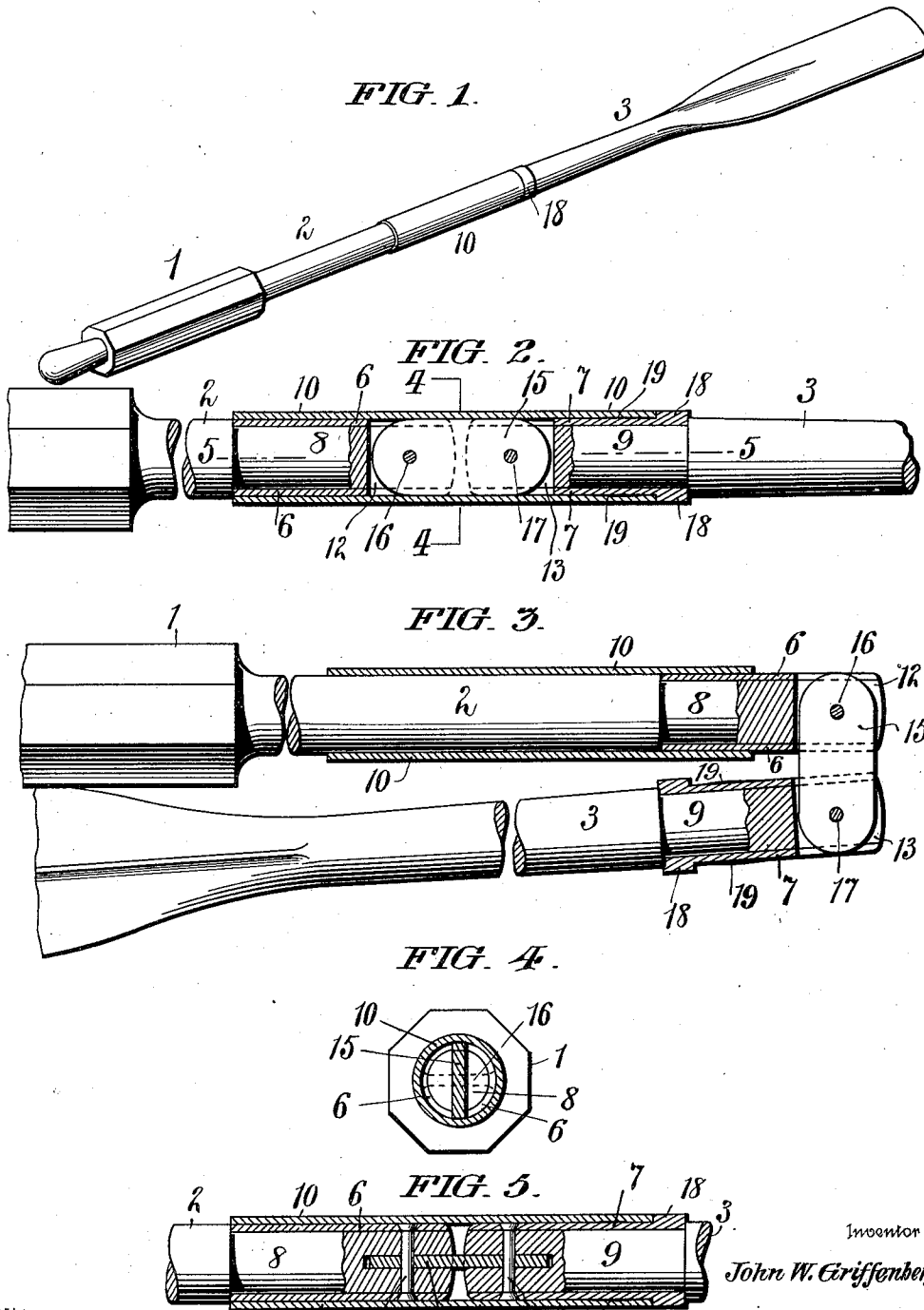


J. W. GRIFFENBERG.
JOINT FOR OARS OR THE LIKE.
APPLICATION FILED MAY 25, 1910.

1,036,222.

Patented Aug. 20, 1912.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN W. GRIFFENBERG, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-THIRD TO WILLIAM V. MADARA AND ONE-THIRD TO EARNEST JULIUS KREITZBURG, BOTH OF PHILADELPHIA, PENNSYLVANIA.

JOINT FOR OARS OR THE LIKE.

1,036,222.

Specification of Letters Patent. Patented Aug. 20, 1912.

Application filed May 25, 1910. Serial No. 563,250.

To all whom it may concern:

Be it known that I, JOHN W. GRIFFENBERG, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Joints for Oars or the Like, of which the following is a specification.

My invention relates to improvements in a joint for oars, canoe paddles, poles and the like and the object of my invention is to provide a joint which may be readily attached to any article to be jointed.

A further object of my invention is to construct a joint which will permit the members of the article to construct a joint which will permit the members of the article to which it is attached to be folded so that the article will occupy a small and compact space when not in use; and a still further object of my invention is to construct the joint in such a manner that the members cannot become detached, which will rigidly hold the members extended and which will not weaken the article to which it is attached.

Referring to the accompanying drawing: Figure 1 is a perspective view of an oar embodying my invention; Fig. 2 is a vertical longitudinal sectional view of my improved joint; Fig. 3 is a view similar to Fig. 2 showing the parts in the folded position; Fig. 4 is a vertical section on line 4-4 Fig. 2; Fig. 5 is a horizontal section on line 5-5 Fig. 2.

In the drawings, in which like references refer to like parts, 1 represents an oar which has been bisected forming the members 2 and 3.

My improved joint consists of the ferrules 6 and 7 which are placed over the ends 8 and 9 of the members 2 and 3. The said ends 8 and 9 are reduced so that the outside diameter of the ferrules 6 and 7 will be equal to the diameter of the member 2, over which the sleeve 10 slides. The ends of the ferrules 6 and 7 and the ends 8 and 9 of the

members 2 and 3 are provided with slots 12 and 13 to receive the link 15 which permits the members to turn freely upon the pins 16 and 17, or other suitable fastening devices, which hold the ends of said link securely to the members 2 and 3, thus connecting the members 2 and 3 together so that they cannot become detached but will be free to be folded upon themselves. The sleeve 10 will slide over the ferrules 6 and 7 and also over the link 15, and when said sleeve is in the position shown in Fig. 1, the members will be rigidly held in a straight line, the same as though they had not been cut in two and when the sleeve is withdrawn from the ferrule 7 and the link 15, as shown in Fig. 3, the members 2 and 3 may be folded so that they will occupy a small space.

The ferrule 7 is provided with a flange 18 which forms a stop for the sleeve 10 to abut against, to hold the said sleeve from moving beyond the ferrule 7 and said sleeve 10 is held tightly upon said ferrule 7 by the latter being slightly larger in diameter at the point 19, to make a tightly fitting joint between said ferrule and said sleeve, which will tend to prevent the sleeve from slipping off the ferrule 7.

The sleeve 10 may be made of heavy material where the article, to which my improved joint is applied, is used for heavy work so that the embodiment of my joint will not weaken the article in any respect.

My improved joint may be used for connecting-sections forming long rods or poles, such as are used in buildings having high ceilings, for the purpose of reaching electric lamps and the like, as well as the uses heretofore mentioned.

Having thus described my invention I claim and desire to secure by Letters Patent:

In an oar or the like, divided into two sections, the combination of ferrules secured upon the adjacent ends of said sections, said ferrules and the ends of said sections having transverse slots formed in the ends thereof, a link having its ends pivotally mounted in

the slots formed in the adjacent ends of the sections and the ends of the ferrules, a sleeve slidably mounted upon one of said sections and adapted to embrace both of the said ferrules to hold the sections in alinement and a flange formed upon one of the ferrules to limit the movement of the sleeve.

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

JOHN W. GRIFFENBERG.

Witnesses:

JOHN F. BASFORD,
M. R. CLEELAND.

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