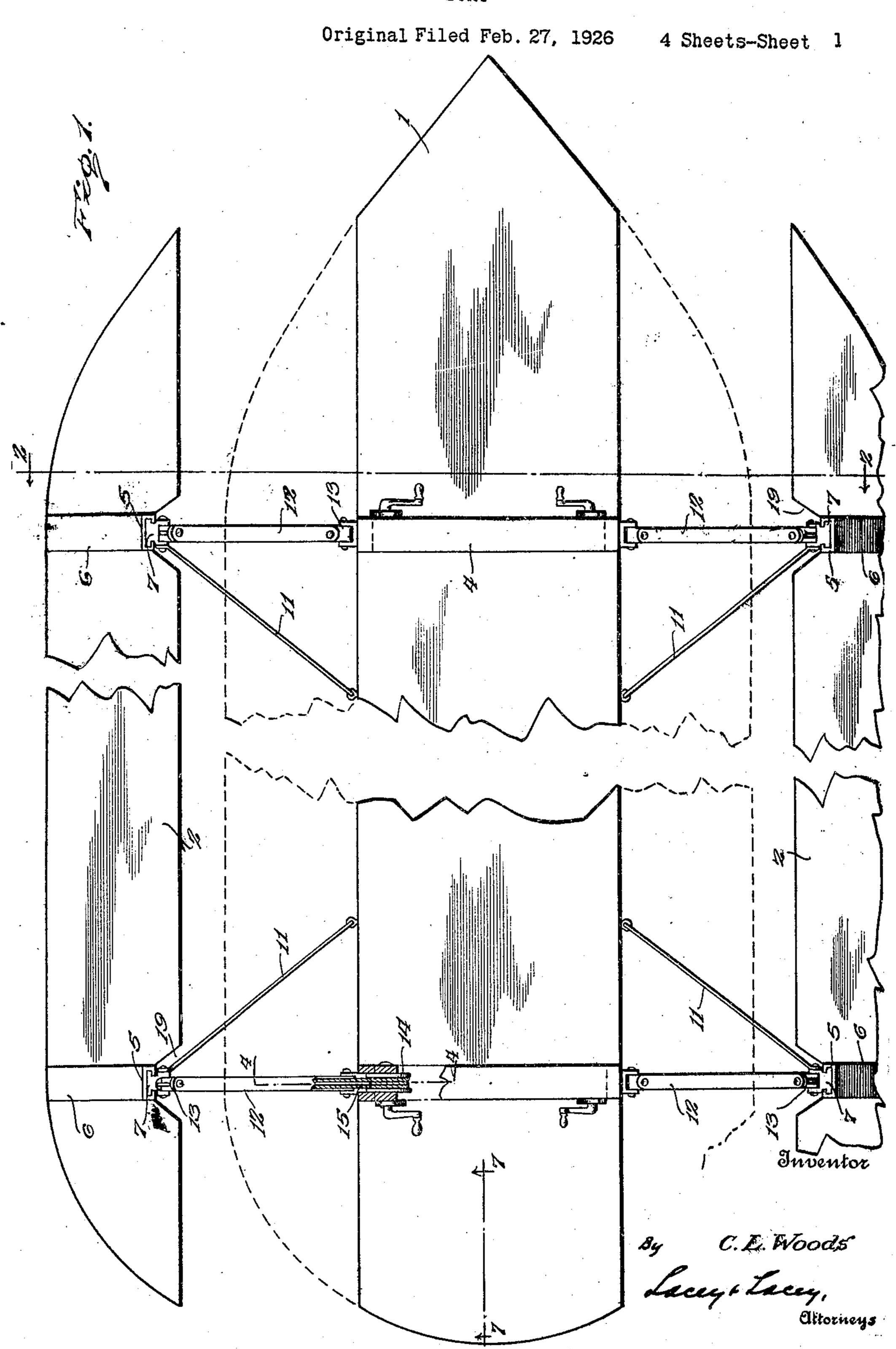
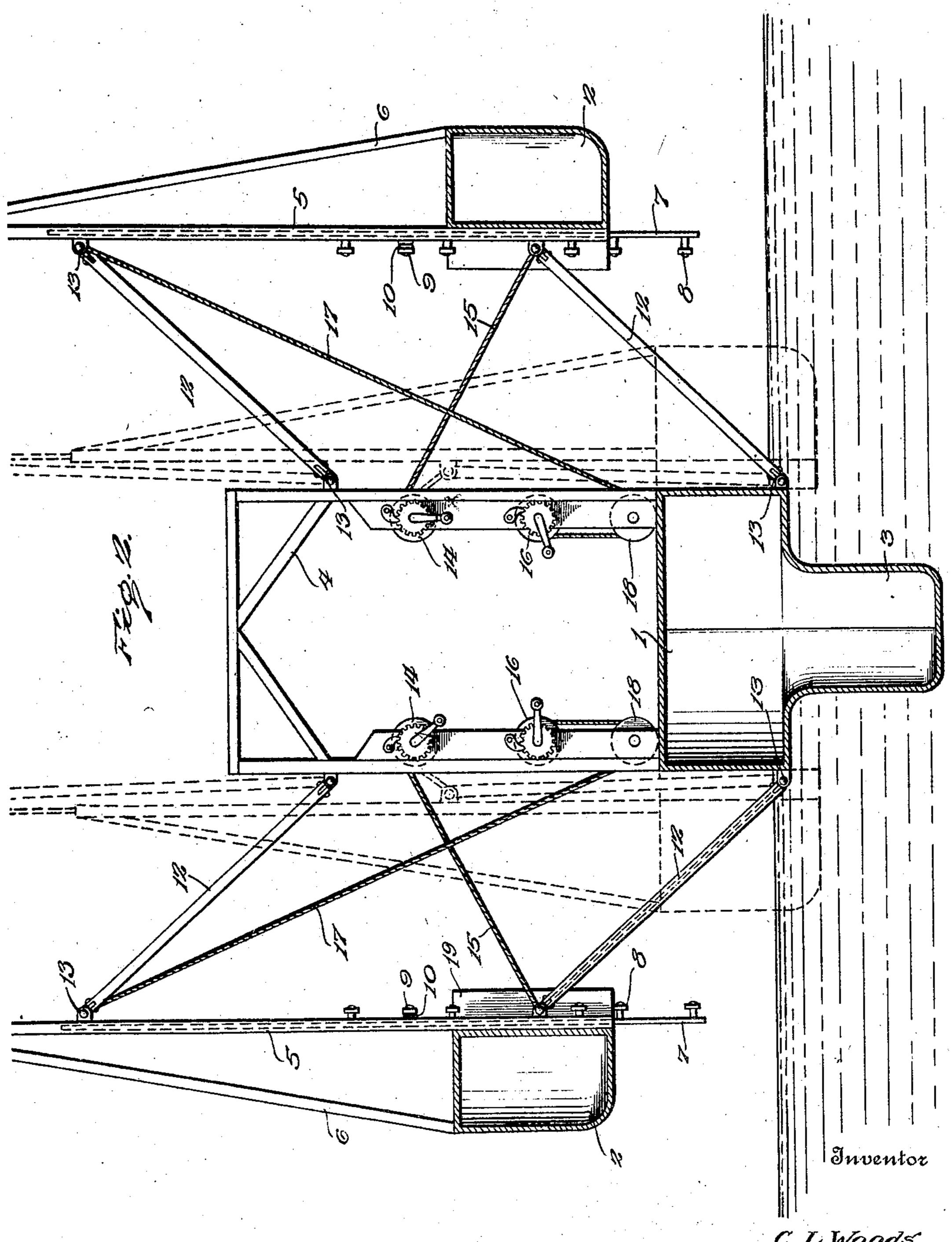
BOAT



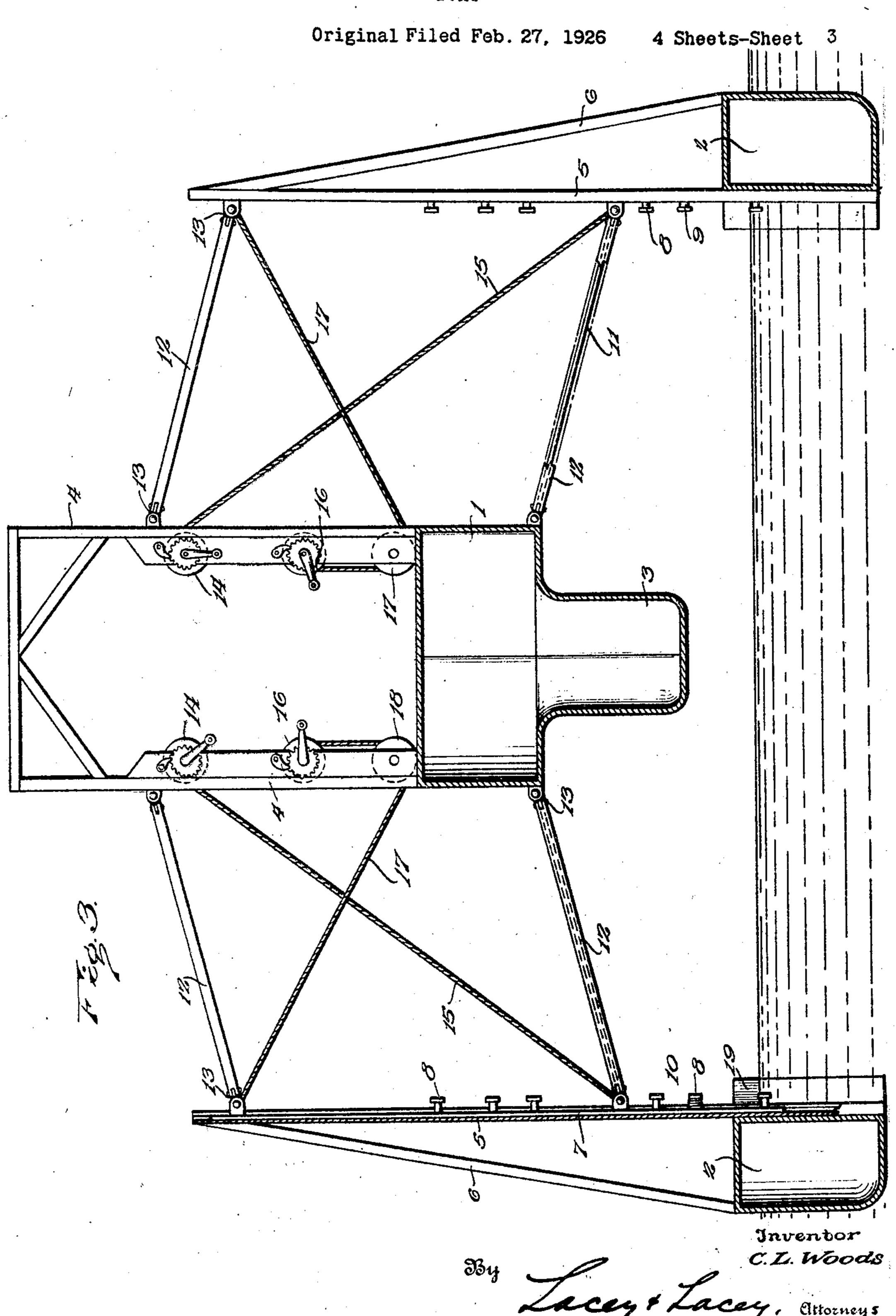
BOAT

Original Filed Feb. 27, 1926 4 Sheets-Sheet 2



By Lacy & Lacy,

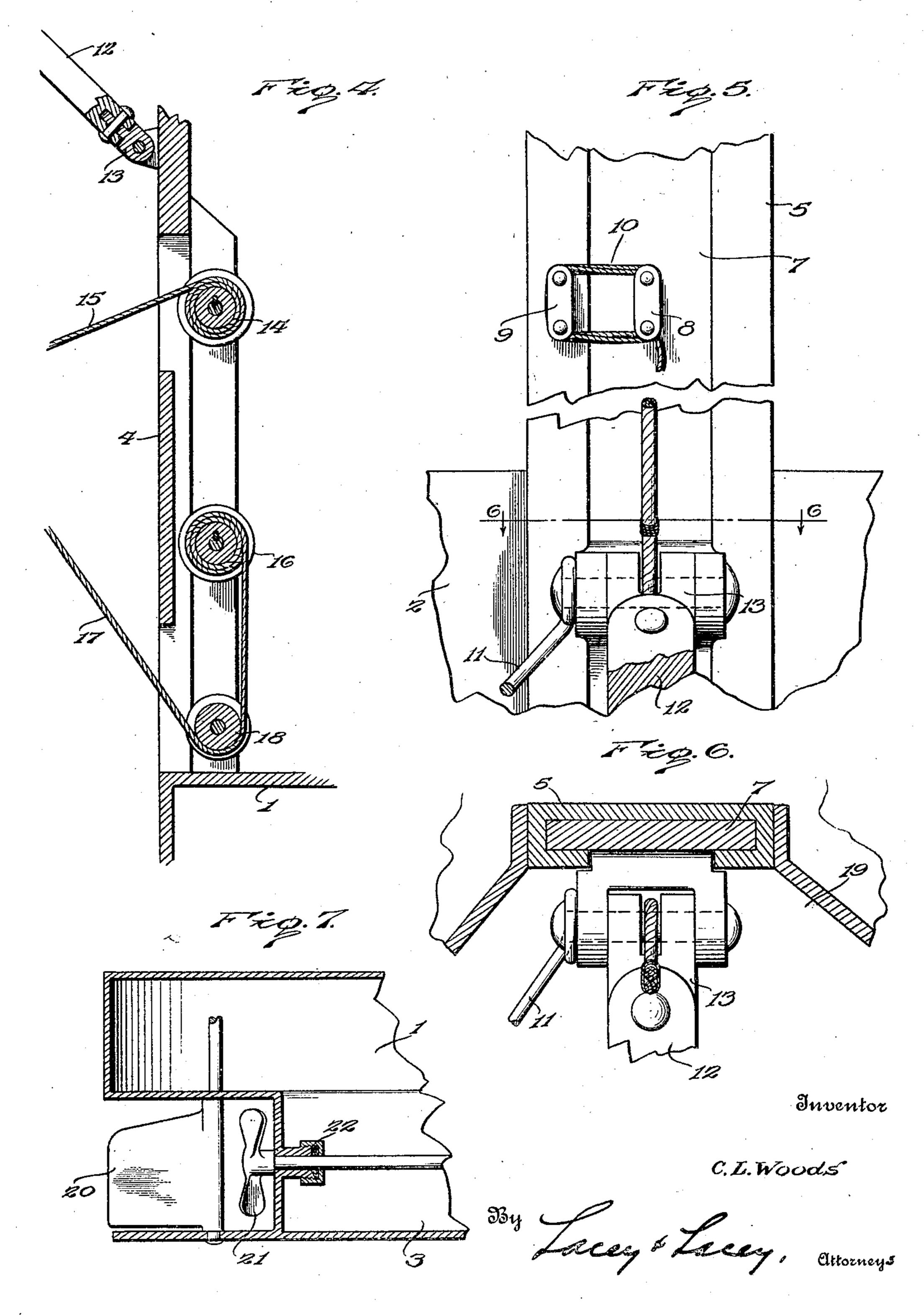
BOAT



BOAT

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UNITED STATES PATENT OFFICE.

CHARLES L. WOODS, OF ALTON, ILLINOIS.

BOAT.

Application filed February 27, 1926, Serial No. 91,106. Renewed February 18, 1928.

repairing the hull without the necessity of lashing between the slide and side,

dry-docking.

The invention also provides a boat which may negotiate shallow water and which may free itself in the event of running afoul of a 10 sand bar or other obstruction. In accordance with the invention the boat comprises sections and means associated with the several sections, whereby any selected section by like reference characters. may be elevated to admit of every portion 15 being readily accessible, the operating and connecting means being such as to space the sections any required distance from the ad-20 eral outline is not unlike a boat of usual construction but which admits of any one of the sections being elevated for inspection or repairs without necessity of the boat going into dry-dock or out of commission and 25 which is adapted to negotiate shallow water and float itself in the event of grounding.

While the drawings illustrate a preferred embodiment of the invention, it is to be understood that in adapting the means to 30 meet specific needs and requirements, the upon which is mounted a slide 7 for vertical design may be varied and such other changes in the minor details of construction may be resorted to within the scope of the invention as claimed, without departing from the spirit

35 thereof.

and the merits thereof, reference is to be had to the following description and the draw-

ings hereto attached, in which,—

illustrative of the invention, the full lines slides 7 with the section 1 to prevent any showing the side sections adjusted and the relative fore and aft movement of the secdotted lines indicating the normal position tions as will be readily appreciated. of the side-sections,

view on the line 2-2 of Figure 1, the full of vertical and lateral adjustment of the lines designating the side sections in ele-sections, as indicated most clearly in Figures vated and lateral adjusted position, and the 2 and 3. The arms 12 are pivotally condotted lines showing the normal position of nected at one end to the respective slides 7 105

50 said part,

Figure 2, with the side sections lowered and are in the same plane, as indicated most the middle section elevated,

Figure 5 is an enlarged elevational view of

The invention relates to water craft and a portion of a slide, the cooperating slide, a provides a boat which admits of repairs to connecting arm between the slide and main the rudder, repacking the stuffing box of the section and a portion of the side section to propeller shaft and cleaning, painting and which said parts are connected, showing the 60

Figure 6 is a detail sectional view on the

line 6—6 of Figure 5, and

Figure 7 is an enlarged fragmentary sectional view on the line 7—7 of Figure 1.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings

The boat is of sectional formation and 70 each of the sections may be adjusted to admit of ready access to every part for inspection, scraping, repairing, painting and the jacent section in the range of adjustment. like. In the preferable construction, the The invention provides a boat which in gen-sections are disposed longitudinally and 75 comprise a middle section 1 and similar side sections 2, the several sections fitting close together, as indicated by the dotted lines in Figures 1 and 2. The middle section 1 is provided with the keel 3 and a super-struc- 80 ture 4 of any design, which forms supporting means for the lifting mechanism. Each of the side sections 2 is provided with a super-structure comprising an upright 5 and a brace 6. The upright 5 constitutes a guide 85 movement. The slide 7 is provided at intervals in its length with cleats 8 and the upright or guide 5 is supplied with a cleat 9. A lashing 10 engages the cleat 9 and a se- 90 lected cleat 8 to hold the slide 7 in the re-For a full understanding of the invention quired adjusted position. While each of the sections 2 may be equipped with any desired number of parts 5 it is sufficient to illustrate two, one being located near each end of the 95 40 Figure 1 is a diagrammatic view of a boat section. A guy 11 connects each of the

Arms 12 form connecting means between 100 45 Figure 2 is a vertical transverse sectional the several sections and are disposed to admit and at the opposite end to the middle sec-Figure 3 is a sectional view similar to tion 1. Corresponding arms 12 and guys 11 clearly in Figure 3. It is preferred to em-Figure 4 is an enlarged fragmentary sec-ploy a universal joint 13 between the arms 110 55 stional view on the line 4-4 of Figure 1, 12 and the parts to which said arms are connected so that in the event of any one of the

guys 11 breaking the section braced thereby the arms 12 and the connecting means between said arms and the parts to which the

5 arms are connected.

for effecting adjustment of the sections and, or repair the rudder 20, propeller 21 or reas shown a windlass 14 is provided for each pack the stuffing box 22, as indicated in Figof the lower arms 12 and is mounted upon ure 7, the middle section 1 may be lifted so a portion of the super-structure 4 and a that access may be readily had to such parts. 75 cable or chain rope 15 is associated with each. It will thus be understood that the hull of of the windlasses and forms connecting the boat may be inspected, scraped, painted means between the windlass and the lower or receive other attention without necessitatportion of the respective slides 7, so that ing placing of the boat in dry-dock or winding and unwinding of the cable effects throwing it out of commission. ture 4 and ropes, or chains or cables, 17 asso-nection such as a rope or cable may be em-20 portion of the slide 7. A guide pulley 18 and 16 may be operated by any suitable 85 25 sections 2 and an up-pull upon the section 1 This arrangement insures maximum speed. 90 with the result that the middle section is Having thus described the invention, I elevated, as indicated in Figure 3, and the claim: outer sections 2 depressed because of the 1. A boat including a hull comprising in-30 the windlasses is provided with a crank means between adjacent sections and piv- 95 handle and a detent mechanism such as, a oted thereto, means for adjusting the effec-35 sired section in elevated position. When the for adjusting the sections vertically, where- 100 by the dotted lines in Figures 1 and 2, the justment. opposing sides are in contact and to accom- 2. A boat comprising a hull including in-10) 19 is provided in the inner side of one of of the sections and adjustable vertically with 105 the angular position of the arms 12 which said member, and means for adjusting the may be regulated by vertical adjustment of sections vertically. the slide 7 in the guide or upright 5, said 3. A boat comprising a hull formed of slide being held in the required adjusted independent sections, upper and lower arms position by lashings 10 and the cleats 8 and forming connecting means between adjacent 9. The slides 7 are adjusted preliminary to sections and pivoted thereto and means 50 operating the windlasses to effect vertical mounted upon one of the sections and hav- 115 and lateral adjustment of the sections. ing connection with the adjacent section to When the windlasses 14 are operated to wind effect positive vertical adjustment of the the rope or cable 16 thereon, a downpull is sections. 55 pull upon the side sections 2, with the result independent sections, upper and lower arms 120

or operated in shallow water by elevating the may move longitudinally without injury to middle section, thereby lifting the keel 3 to enable it to clear the bottom of the water. When either section is elevated access may be readily had to every part for any desired 70 Suitable operating means are employed purpose and should it be required to inspect

adjustment of the sections. Other wind- The parts 15 and 17 preferably consist of lasses 16 are mounted upon the superstruc- chains, although any preferred flexible conciated therewith are connected to the upper ployed. It is noted that the windlasses 14 adjacent the foot of the super-structure 4 has power, such as steam, electric, or explosive the rope or cable 17 passed thereunder, so engine. Under normal conditions, the midthat winding the rope or cable 17 upon the dle section 1 carries the load and the side windlass 16 will exert a down-pull upon the sections 2 ride upon the surface of the water.

additional load imposed thereon. Each of dependent sections, arms forming connecting ratchet and pawl to prevent backward ro- tive point of connection between the arms tation and an unwinding of the rope or and one of the sections for varying the relacable when under tension to sustain the de- tive adjustment of the sections and means sections are in normal position, as indicated by they simultaneously receive a lateral ad-

modate the connecting means a depression dependent sections, a member carried by one the sections, preferably the outer sections. reference thereto, arms forming connecting The relative elevation and the distance apart means between the said member and the secof the sections when elevated depend upon tion of the hull adjacent that carrying the

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exerted on the middle section 1 and an up- 4. A boat comprising a hull formed of that the latter sections are elevated, as in-connecting adjacent sections, upper and lowdicated most clearly in Figure 2. Upon er windlasses mounted upon one of the secoperating the windlasses 16 an uppull is tions, a cable forming connecting means be-

dependent sections, a super-structure upon in adjusted position, upper and lower arms each of the sections, a slide carried by one of connecting the slides with the middle secthe sections, means for securing the slide in tions, upper and lower windlasses mounted an adjusted position, upper and lower arms upon the middle section and flexible con-5 an adjusted position, upper and lower arms between said slide and the adjacent opposite section and means for moving either of the the side sections to effect relative vertical sections vertically.

6. A boat including a hull comprising a middle and side sections, a super-structure on each of the sections, slides carried by the

5. A boat comprising a hull formed of in- side sections, means for securing the slides necting means between the windlasses and adjustment thereof.

In testimony whereof I affix my signature.

CHARLES L. WOODS. [L. s.]