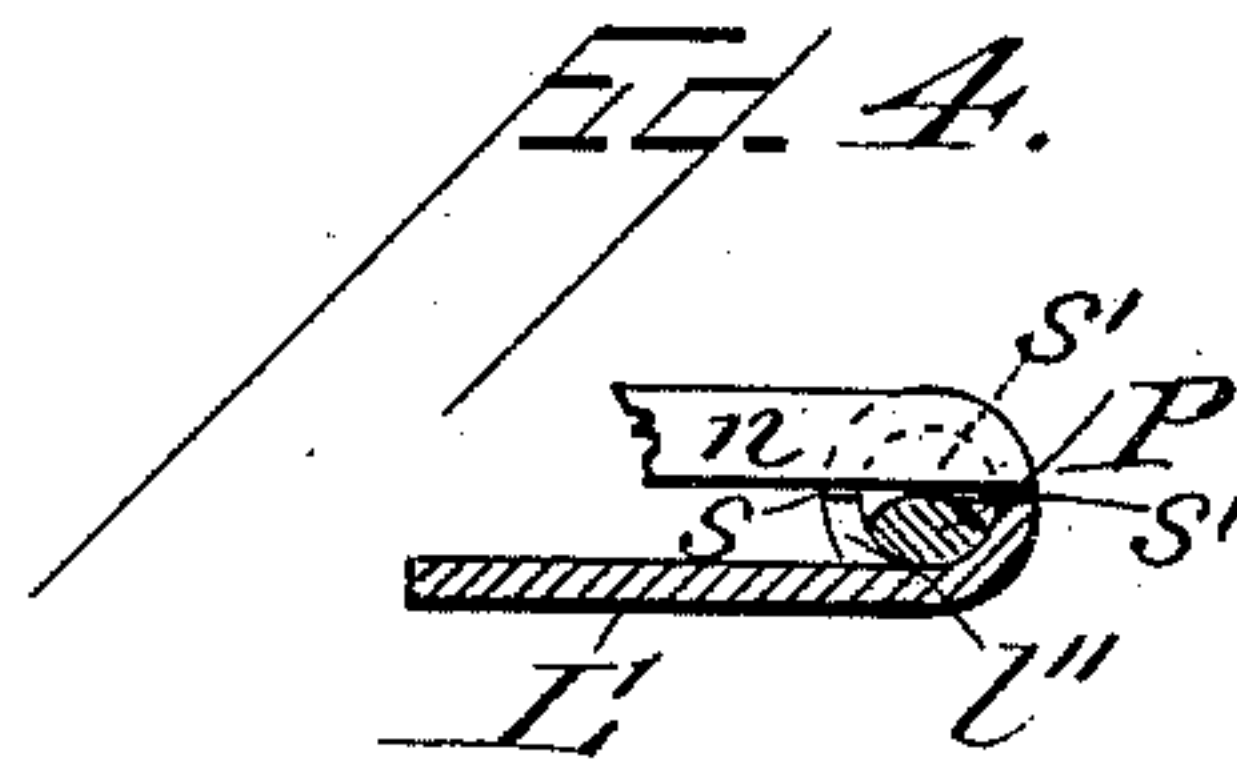
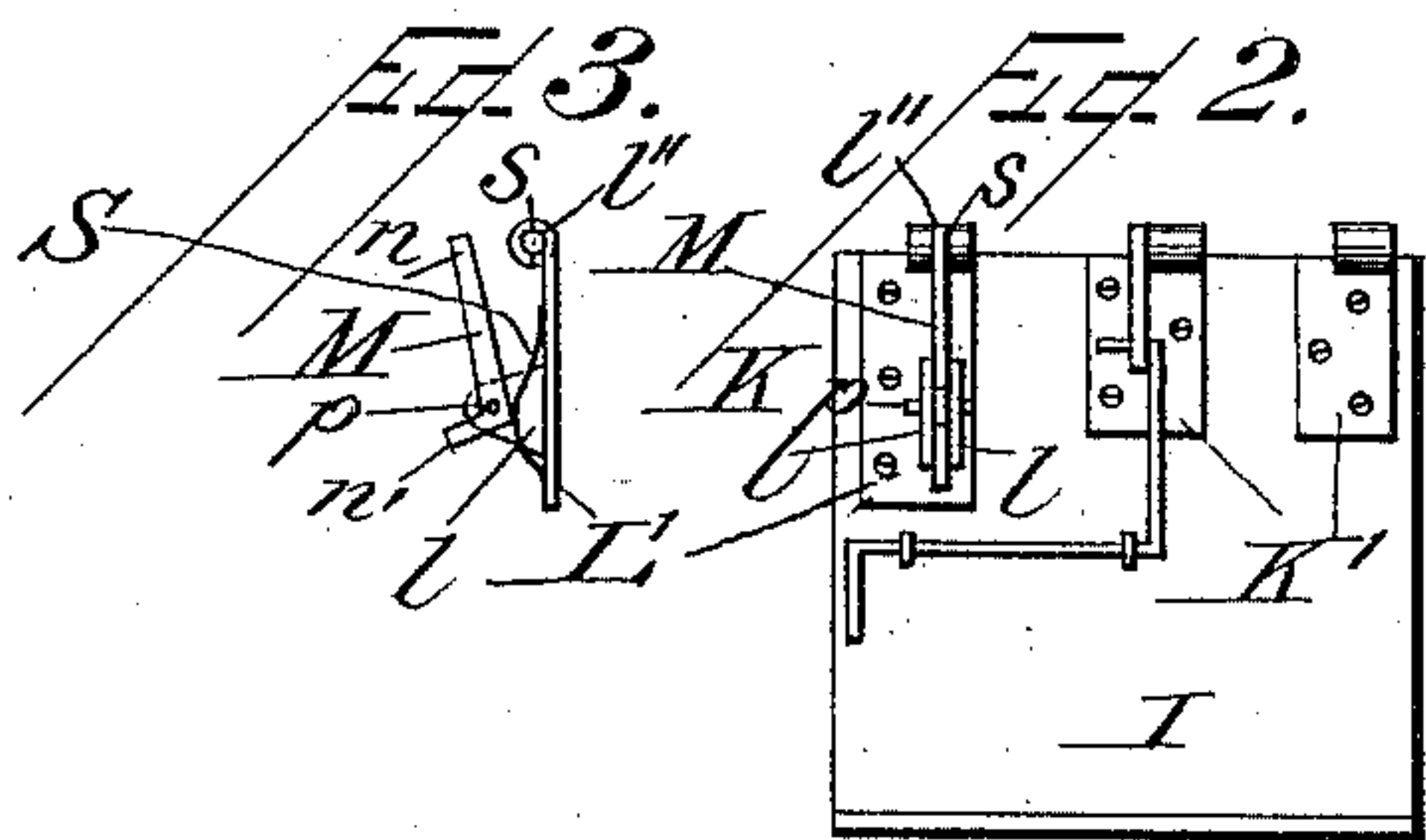
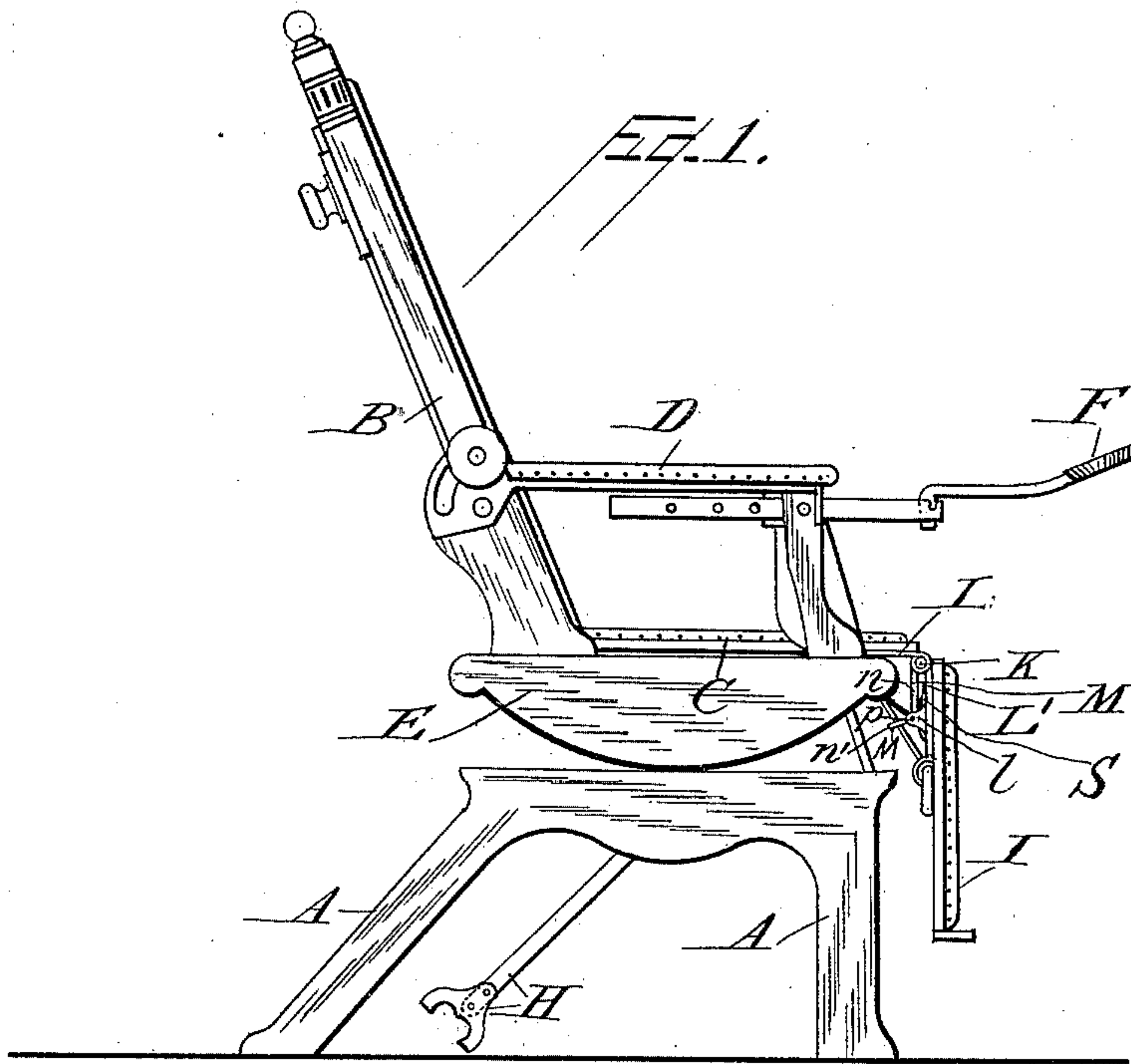


(No Model.)

J. H. DOYLE.  
SURGEON'S CHAIR.

No. 467,479.

Patented Jan. 19, 1892.



Attest:

H. H. Schott  
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Inventor

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by A. A. Wood  
att'y

# UNITED STATES PATENT OFFICE.

JOHN HARRISON DOYLE, OF GAINESVILLE, FLORIDA, ASSIGNOR OF ONE-HALF TO JOHN E. DOZIER AND WILLIAM S. SHIELDS, OF ATLANTA, GEORGIA.

## SURGEON'S CHAIR.

SPECIFICATION forming part of Letters Patent No. 467,479, dated January 19, 1892.

Application filed May 17, 1889. Serial No. 311,160. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN HARRISON DOYLE, a citizen of the United States, and a resident of Gainesville, in the county of Alachua and State of Florida, have invented certain new and useful Improvements in Surgeons' or Invalids' Chairs; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The invention relates to improvements in adjustable chairs of that class which is adapted to be used in surgical operations and by invalids; and it consists in the provision of a device whereby the foot-rest is hinged to the seat in such a manner that it may be securely locked in place and at the same time allow it to be quickly detached if it is desirable.

The invention further relates to the novel construction, combination, and arrangement of parts, such as will be hereinafter fully described, pointed out in the appended claim, and illustrated in the accompanying drawings.

In the accompanying drawings, in which similar letters of reference designate corresponding parts, Figure 1 is a side elevation of a chair embodying the invention. Fig. 2 is a view of the back of the foot-rest, showing a leaf of the hinge and the catch for locking the pintle in place. Fig. 3 is a side elevation showing a leaf of the hinge and the catch secured thereto. Fig. 4 is a detail view, partly in section, showing the catch registering with the slotted knuckle and notched pintle.

Referring to the drawings by letter, A designates the base of the chair; B and C, the back and seat, respectively, supported upon the base by the arms D D and the rockers E.

F designates stirrups secured to the arms of the chair, and H is a supplemental leg to be used in adapting the chair to the Simms position. These several parts are secured in their proper relative positions in such a man-

ner as to allow the adjustment of the chair to the different positions most suitable to the purposes of the operator. As these several parts are well known, they need not be more specifically described.

I designates the foot-rest, secured to the front edge of the chair-seat by means of the hinges K and K' K'. The hinges K' K' are of any construction suitable in the premises. The hinge K is provided with a locking device, whereby the pivoting pin or pintle on being inserted in its place to connect the leaves can be secured so as to prevent any accidental withdrawal of the same, and at the same time allow it to be quickly withdrawn when it is desired to detach the foot-rest.

L and L' designate the leaves of the hinge K, secured to the foot-rest and the seat, respectively. The leaf L' is somewhat larger than the leaves of the other hinges and has projecting from its face at the end farthest from the knuckle the lugs l l, between the outer ends of which is pivoted the catch M. This catch consists of a long arm n and a short arm n', so connected as to be nearly at right angles with each other. The catch is pivoted between the lugs by the pin p at a point near where the two arms join.

S is a curved spring secured to the plate between the lugs l l and presses outwardly against the catch M. The object of this spring will be explained farther on.

The knuckle l'' of the leaf L' and the pintle P are slotted at s and s', respectively. When the foot-rest is properly hung, the slots of the pintle P and the knuckle l'' will register. The catch M can be turned so that its long arm n will engage with the slotted knuckle and pintle, and thereby securely lock the foot-rest in place. The spring S will press upon the end of the long arm opposite to that which enters the slot and beyond the pivotal point and keep the catch in engagement. When the catch is disengaged from the slot and turned back, the spring will press against the short arm and sustain the long arm in its elevated position. The pintle can then be freely withdrawn from the knuckle.



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

5 In a surgeon's chair, the combination of the seat, the foot-rest removably attached to the seat by means of hinges, a leaf of one of which has its knuckle slotted, the notched pivoting-pin, the catch M, pivoted to the said leaf and

having arms  $n$  and  $n'$ , and the spring S, substantially as described.

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

JOHN HARRISON DOYLE.

Witnesses:

A. P. WOOD,

H. A. KEPPEL.