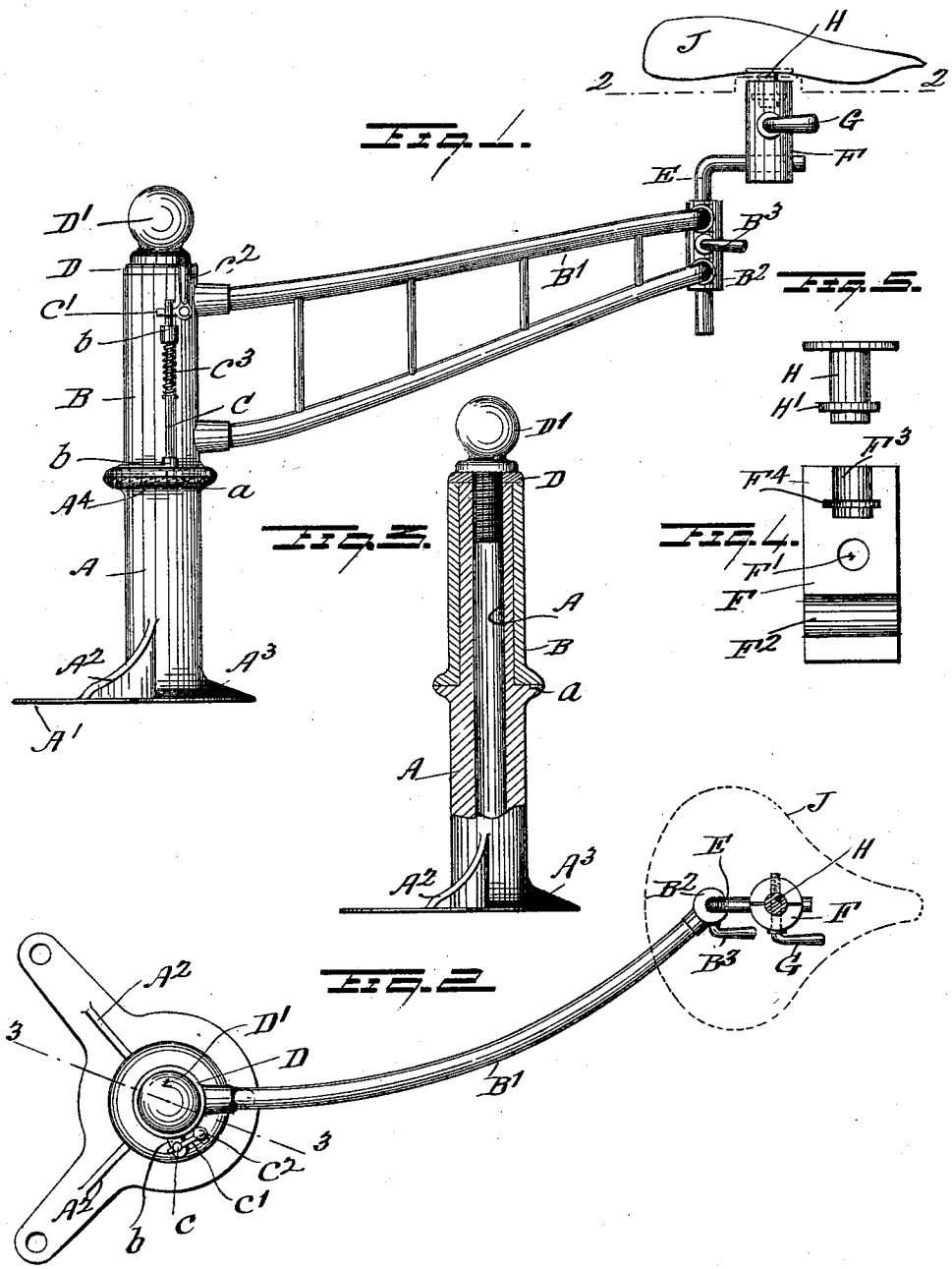
(No Model.)

F. BELL.

OPERATOR'S SEAT.

No. 588,525. Patented Aug. 17, 1897.



Witnesses
A. J. Maddan
E. Bowen.

Inventor
Frank Bell.
by his Attorney A. Maddan

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRANK BELL, OF TUNBRIDGE WELLS, ENGLAND.

OPERATOR'S SEAT.

SPECIFICATION forming part of Letters Patent No. 588,525, dated August 17, 1897.

Application filed June 12, 1897. Serial No. 640,536. (No model.)

To all whom it may concern:

Be it known that I, FRANK BELL, a subject of the Queen of England, residing at Tunbridge Wells, in England, have invented certain new and useful Improvements in Operators' Seats, of which the following is a specification.

This invention relates to an adjustable seat for the use of dental surgeons and others.

In the annexed drawings, Figure 1 is an elevation of the seat. Fig. 2 is a horizontal section on the line 2 2 of Fig. 1. Fig. 3 is a vertical section on line 3 3 of Fig. 2. Fig. 4 is a view of one of the parts carrying the seat-pivot. Fig. 5 is a view of said seat-pivot.

A is a pillar having a base-plate A′ and suitable webs A^2 A^2 A^3, of which the former two are more extended than the last.

A^4 is a flange on the pillar A about midway of its height, the upper face of this flange having recesses in the form of ratchet or other teeth *a*. Above the flange A^4 the diameter of the pillar A is reduced to form a spindle for a sleeve B, from one side of which there extends a curved or straight frame B′, carrying at its outer end a vertical socket B^2. Through lugs *b* on the sleeve B there passes a rod C, the lower end of which is adapted to engage the recesses *a*, while the upper end is slotted to be engaged by the arm C′ of the lever C^2, pivoted on the sleeve B. A spring C^3 tends to press the rod C downward into engagement with the recesses *a*, but such rod may be lifted out of engagement with the recesses by movement of the lever C^2 by hand, thus leaving the socket B free to be revolved on the pillar A. The sleeve B is retained on the pillar A by the washer D and flange of the screw D′, screwed into the upper end of the tubular pillar A.

There passes through the socket B^2 the vertical limb of an L-shaped rod E. B^3 is a set-screw having its outer end formed as a lever for turning it by hand to bear on the rod E after the latter has been adjusted vertically and rotarily.

F F represent a pair of blocks, of which each carries in the center a passage F′, Fig. 4, (one of which is screw-threaded,) and below the latter a transverse recess F^2 and above the passage F′ a vertical recess F^3 with a groove F^4. When such blocks F F are secured together by the screw G traversing the passages F′, the recesses F^2 form a socket for the horizontal arm of the rod E and the recesses F^3 form a socket for holding the pivot H of the seat J. The pivot H has a ring H′ to engage the groove F^4 in the recesses F^3. The blocks F thus, together with the screw G, form a clamp, which after adjustment of the same upon the rod E and of the pivot H in the clamp may be tightened by the screw G to firmly embrace the rod E and the pivot H and hold both with the requisite friction.

Having now described my invention, I claim—

1. A seat-supporting frame comprising in combination a vertical stationary pillar, a socket rotarily movable thereon, a frame extended laterally from said socket, a vertical socket in the outer end of said frame, a rod having a horizontal arm and a vertical arm the former engaging in said last-mentioned socket, a seat, a vertical pivot thereunder, and a clamp adapted to engage said pivot and also the horizontal arm of the rod aforesaid, the whole substantially as set forth.

2. A seat-supporting frame comprising in combination a vertical pillar, a base-plate thereto, a flange on said pillar having recesses in its upper face, a sleeve rotarily mounted on the upper part of said pillar above said flange, a pawl on said sleeve adapted to engage the recesses in said flange, a hand-lever for disengaging said pawl, a frame extending laterally from said sleeve, a vertical socket in the outer end of said frame, a rod having a horizontal arm and a vertical arm the latter engaging in said socket, a seat, a vertical pivot thereunder, a pair of blocks having counterpart recesses for said horizontal arm and pivot respectively and a screw passing through one of said blocks and engaging the other block for the purpose set forth.

In witness whereof I have signed this specification in presence of two witnesses.

FRANK BELL.

Witnesses:
CHAS. ROCHE,
R. J. PARSONS.