

ORTHOPÆDIC APPARATUS.

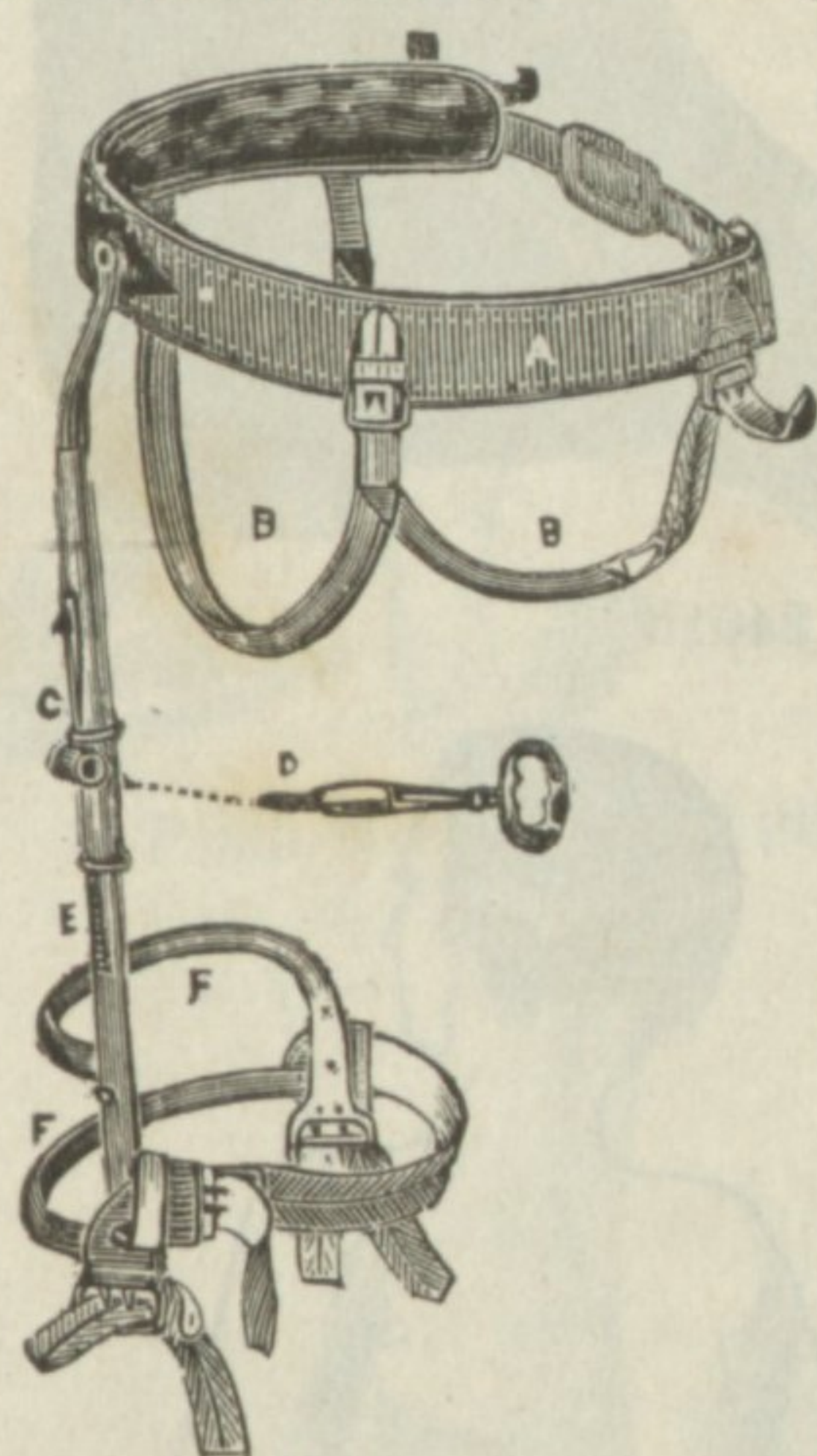
2403 * Dr. L. A. Sayre's Improved Short Splint for the Treatment of Hip Disease.

This instrument consists of a pelvic band (A) passing partly around the body under the crest of the ilium, well padded on its inner surface, to which usually two perineal straps (B B) are fastened for counter extension. The outer surface of the pelvic band holds a ball and socket joint, terminating into a tubular steel rod, passing down the outer side of the thigh to within about two inches of the lower end of the femur. This rod is divided into two sections (E and C), the lower solid part (E) moving within the upper tubular part (C), and gauged or controlled by a ratchet and key (D), by which the length can be increased or decreased. A spring at (C), armed at its lower extremity, with a tooth passing inwards through the wall of the tubular part into the serrations cut onto the rod (E), serves to hold the instrument in an elongated position. By inserting the key the spring is pushed up-

ward before elongation or shortening of the instrument is made.

At the lower extremity of the bar (E) is a projecting branch (F F) going over to the inner surface of the thigh to receive the attachments of the plaster, hereafter to be described.

Both of the lower extremities terminate in a cylindrical roller, over which the tabs of the plasters are attached to the two buckles placed at the lower ends of the instrument.



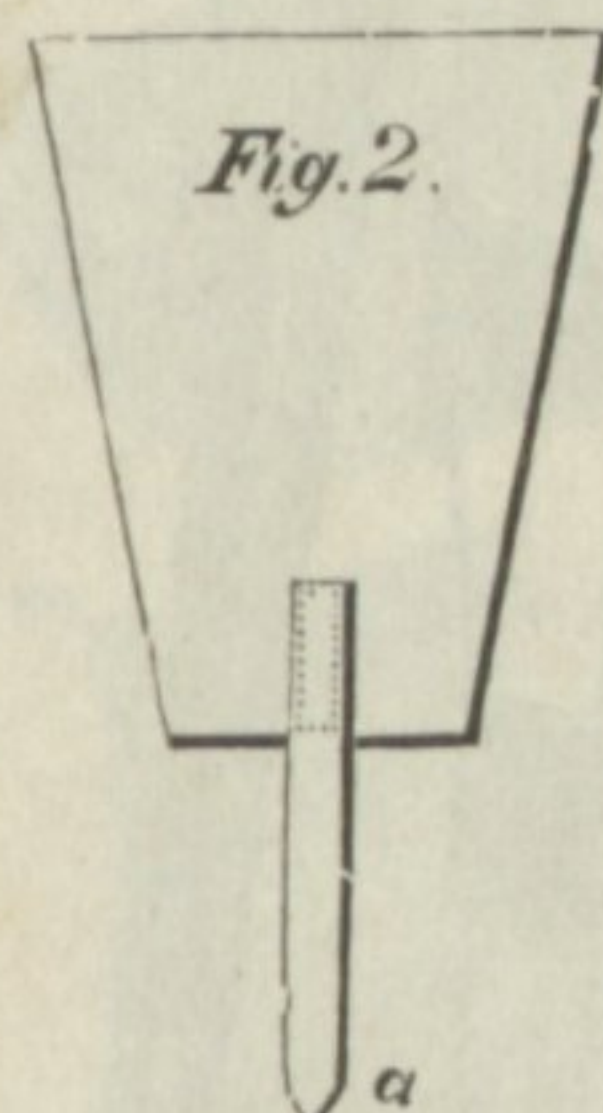
2403.

MEASUREMENTS REQUIRED.

1. Sex of patient.
2. General appearance of patient.
3. Circumference of body between crest of ilium and trochanter major.
4. Distance from same point to the center of knee-joint.
5. Circumference of thigh two inches above knee-joint.
6. Circumference of middle of thigh.
7. Mention if for right or left hip.

Price, to patients, according to size and finish...\$17 00 to \$20 00

The application of the splint is as simple as its construction. Take strong adhesive plaster, spread on twilled muslin, cut two fan-shaped pieces (Fig. 2403 a), one large enough to reach from the perineum to within two or three inches of the condyle of the femur, on the inner side of the thigh, the other from the trochanter major to a point directly opposite the



2403 a.

end of the inner plaster. Sew on the narrow end of each the pieces of webbing accompanying the instrument (not on the sticky side). Apply to their respective places, and after pressing them with the warm hand, to obtain a firm adhesion, secure them further by a well-adjusted roller. The instrument contracted is now laid over the thigh, the webbing (Fig. 2403 a) firmly fastened over the rollers to the buckles (Fig. 2403), and the remaining one around the thigh. The perineal band is now adjusted rather firm, and the instrument extended with the key, just enough to make the patient comfortable and then locked by pulling the slide down over the spring (A). In order to prevent the limb from swelling below the bandage, Dr. Sayre recommends the use of an elastic stocking or knee-cap.

Price of moleskin adhesive plaster, per yard, net.....\$1 00

Levis' Apparatus for night extension, see Fig. 2402.

2404 Charles F. Stillman's (Chicago) Hip Brace.

Price, to patients.....\$45 00