

ORTHOPÆDIC APPARATUS.

2408 * Dr. Newton M. Shaffer's Improved Hip Splint.

"With the Taylor-Sayre Splint it is easy to produce and maintain extension when the patient sits or lies down; but the moment he commences to walk, the foot approximates the foot piece, the lower extension straps become loose, and the patient is able to swing the limb backward and forward to a very considerable extent. But when the weight is again thrown upon the sound limb, extension again occurs.

In this instrument the usual cylinder and pelvic band are employed. But, instead of continuing the extension rod to and below the foot, as in the Taylor or Sayre instrument it is made to terminate at a point about $1\frac{1}{2}$ inches above the Malleoli, and a band is attached which passes half way around the limb, posteriorly. To this band are riveted two straps, which are attached to the adhesive plaster buckles. The foot piece has an independent rod, which passes upward to a piston arrangement above the point of exit of the extension rod. When applied, the weight of the body is thrown upon the perineal pads, the instrument shortens by a compression of the spiral spring.

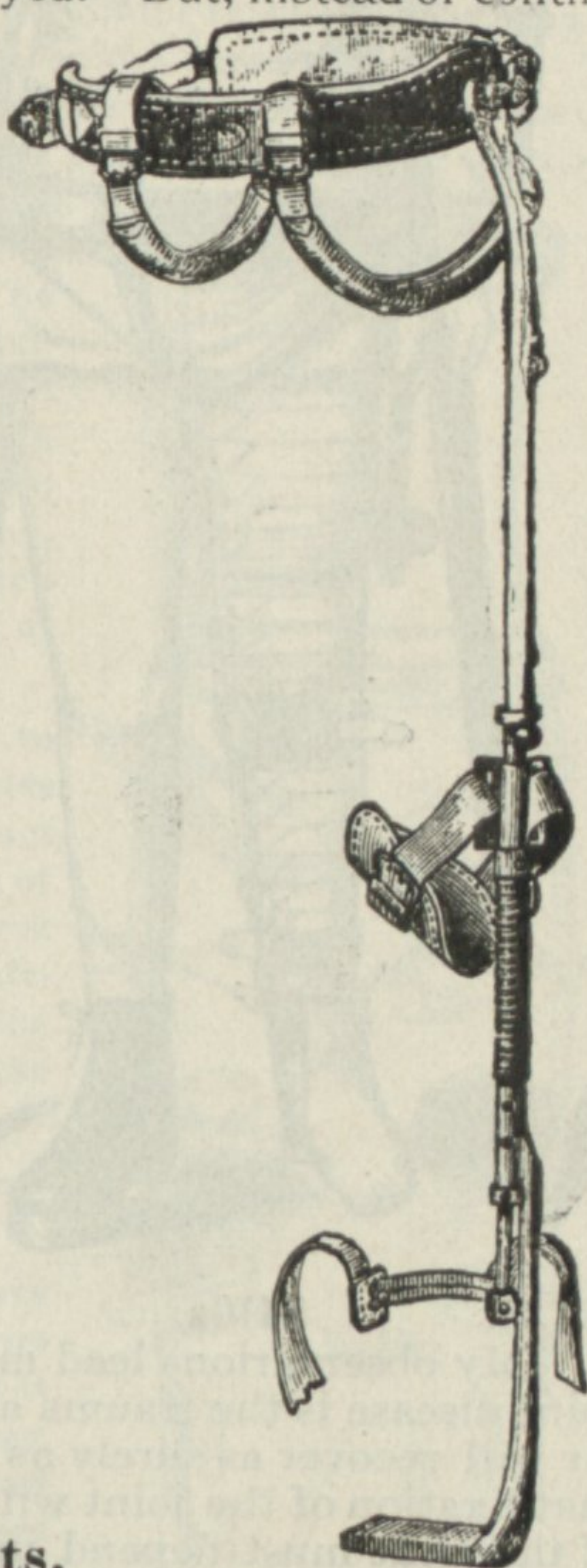
In other words, the lower part moves upward and the weight of the body is expended in shortening the spring—the straps remaining taut all the while.

The same degree of extension is exerted upon the diseased hip-joint, whether the patient lies down or walks. Traction is constantly maintained, and the joint surfaces are not alternately protected, and then exposed at every step.

The spring, of course, acts automatically, and so soon as the foot piece is removed from the ground, the instrument lengthens and is again ready to receive the weight of the patient.

NEWTON M. SHAFFER, M. D."

Price, to patients.....\$30 00 to \$35 00



2408

2409a * Hospital Long Hip-Splints.

These have been designed for the use of hospital and dispensary patients who cannot afford to pay the cost of better apparatus for the same purpose. They are of the simplest construction, black finished, with plain leather covering and lining. Extension is obtained by employing a splint of two or three inches greater length than the length of the patient's limb.

Price, according to size, from.....\$7 00 to \$10 00 net.

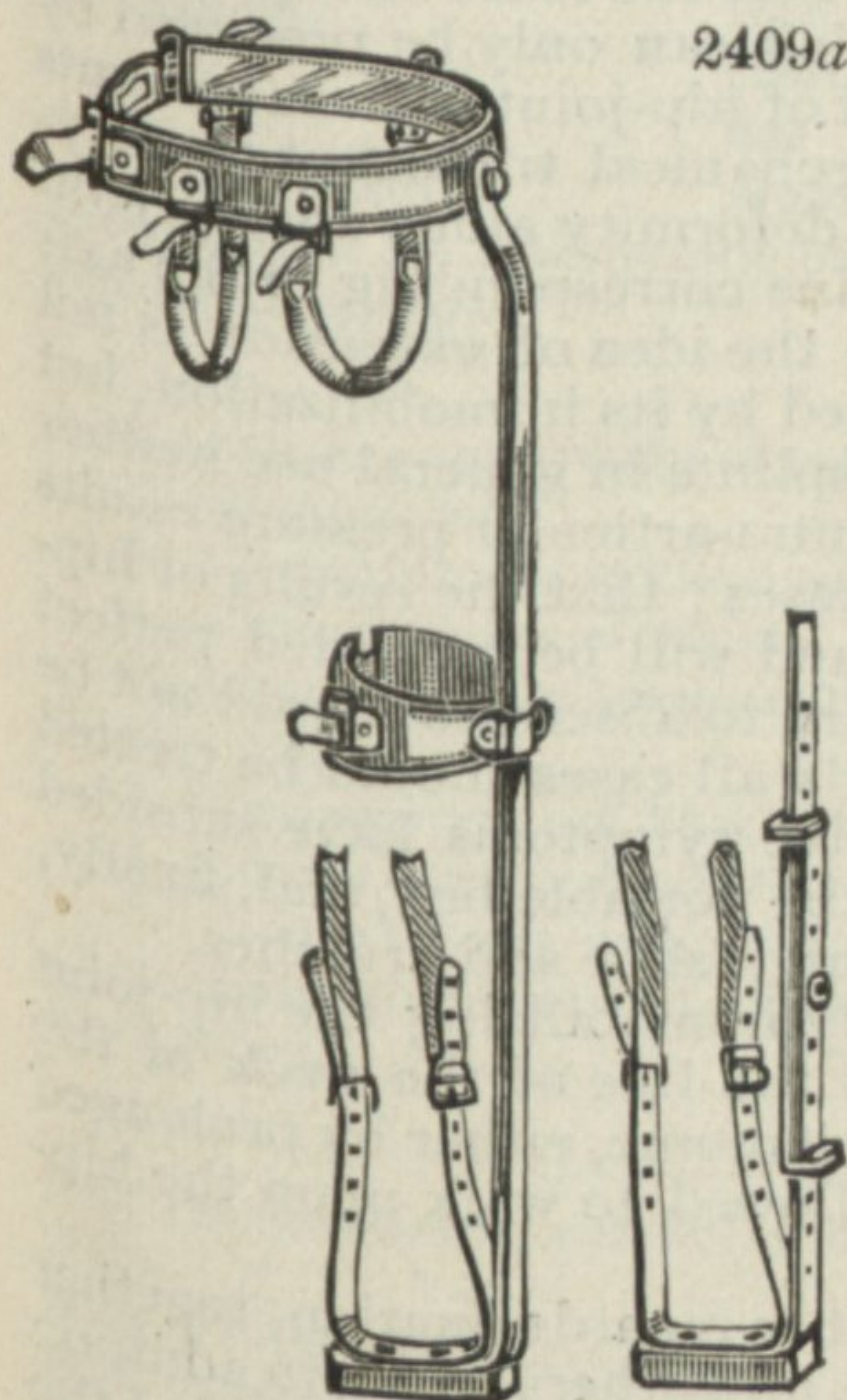
In Fig. 2410 is shown a simple device for extension. The rod has been cut, supplied with a series of equidistant holes, lapped to the extent of three or four inches, and held together by two screws. After application of the splint the two screws are removed, the proper amount of extension obtained, i. e., the bar lengthened by sliding apart its lapped section and the two screws replaced.

Price, with simple extension device, according to size from.....\$10 00 to \$13 00 net.

Directions for application and Measurements required, see Fig. 2411a.

For Cork or Steel Extension Shoes used in connection with Hip Joint Apparatus, see page 58.

For terms, see page 7.



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