No. 738,995. PATENTED SEPT. 15, 1903.

F. HAAS.

ORTHOPEDIC CORSET.

APPLICATION FILED NOV. 17, 1902.

NO MODEL.

Fig. 1

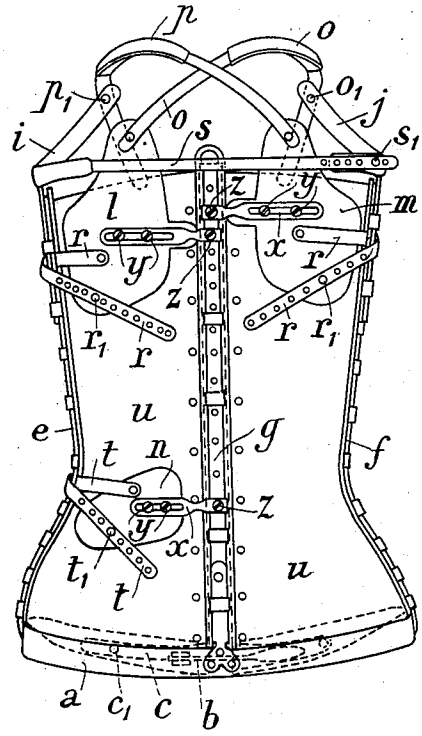
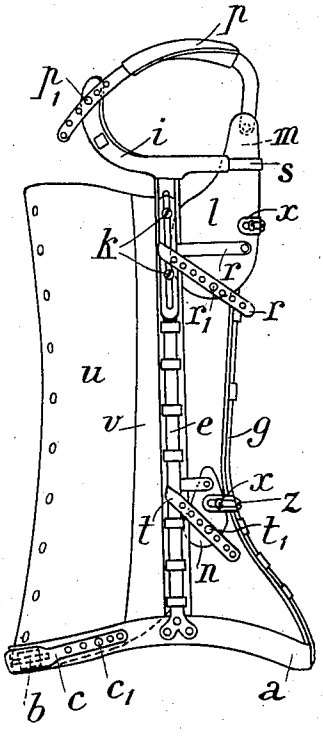


Fig. 2



WITNESSES.

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No. 738,995. Patented September 15, 1903.

UNITED STATES PATENT OFFICE.

FRANZ HAAS, OF PRAGUE, AUSTRIA-HUNGARY.

ORTHOPEDIC CORSET.

SPECIFICATION forming part of Letters Patent No. 738,995, dated September 15, 1903.

Application filed November 17, 1902. Serial No. 131,686. (No model.)

To all whom it may concern:

Be it known that I, FRANZ HAAS, a citizen of the Austro-Hungarian Empire, residing at 6 Herenjasse, Prague, Austria-Hungary, have invented certain new and useful Improvements in Orthopedic Corsets; 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.

This invention relates to an orthopedic corset which is so constructed that it can be worn without inconvenience to the wearer and can be employed in connection with different cases of bodily deformity.

In the accompanying drawings, Figure 1 is a back view, and Fig. 2 a side view, of a corset constructed according to this invention.

The corset consists of the steel hip-belt *a*, made in accordance with the anatomical construction of the body and passing completely around the hips. The belt is open in front and for the purpose of being fastened is furnished at one end with the piece *b*, which engages in the guide situated at the other end, as well as with straps *c*, by which it is buttoned over the buttons *c'*. To this belt *a* the two side supports *e* and *f*, which run under the arms, as well as as a back support *g*, are fastened. To the supports *e* and *f* other supports *i* and *j* for the arms are adjustably attached by means of the screws *k*. The back part of each of the supports *i* and *j* is horizontal, the front part being curved. To the support for the back pads *l*, *m*, and *n* are fixed, *l* and *m* being for the right and left shoulder-blades, respectively, and *n* for the hip-bone. The peculiarly-shaped pads illustrated in the drawings may be moved horizontally in the guides *x x* by means of the screws *y y* and in a vertical direction on the support *g* by the screw *z*. By means of these pads the deformed parts can be straightened, while the supports *e f* keep the backbone straight, and their parts *i* and *j* inclose the arms. One end of the support *g* is firmly connected with the belt *a*, while the other end, with the corsets, is free and can be connected with the other parts of the corset.

The front *u* serves as a support for the fore part of the body and is furnished at the sides with flexible linings *v* in order that it may offer no hindrance to breathing and will yield to the bodily tension.

The springs in this corset are not curved, but straight.

The combination of the different parts by means of the belts is effected in the following manner: The pads *l* and *m* are connected crosswise above the arms with the supports *j* and *i* by means of the straps *o* and *p*, provided with buttonholes for buttoning them onto the buttons *o' p'*, and connected with the side supports *e* and *f* by means of the straps *r r*, which are pushed under the steel belt of the side supports *e* and *f* and buttoned onto the buttons *r'*. The supports *i* and *j* are connected together by the straps *s*, which are buttoned onto the button *s'*. The pad *n* is fixed to the back support *g* and connected with the side support *e* by means of the belt *t*, which is pushed under *e* and buttoned onto the button *t'*. The pads *l* and *m* adapt themselves to the body, grasp the point of the shoulder-blade, and inclose the curved part of the ribs. As the pads are only fastened to the back support, they can be drawn tightly against the body, so that the body is straightened. When the crest of the hip-bone projects, the lower pad *n* serves to hold the bone, so as to prevent it coming out of place.

What I claim, and desire to secure by Letters Patent, is—

1. An orthopedic corset consisting of a hip-belt made of forged steel and adapted to conform to the shape of the body, a means for fastening the ends of the belt to prevent slipping, a back and front and two side supports secured at their lower ends to the hip-belt, arm-supports adjustably attached to the side supports and curved upwardly in front, pressure-pads adjustably mounted on each side of the back support and adapted to bear on the shoulder-blades and hip-bone, and straps

for securing the pads to the arm and side supports and drawing them tightly against the body.

2. The combination in an orthopedic corset comprising back and side supports, of arms secured to the back support, pressure-pads horizontally adjustable in the arms, and tightening-straps attached to the pressure-pads and looped around the side supports substantially as described.

In testimony whereof I have affixed my signature in presence of two witnesses.

FRANZ HAAS.

Witnesses:
BOHNSLAV PITSCH,
J. T. KHO.