J. N. BELL.

Truss.

No. 167,977. Patented Sept. 21, 1875.

Fig. 1.

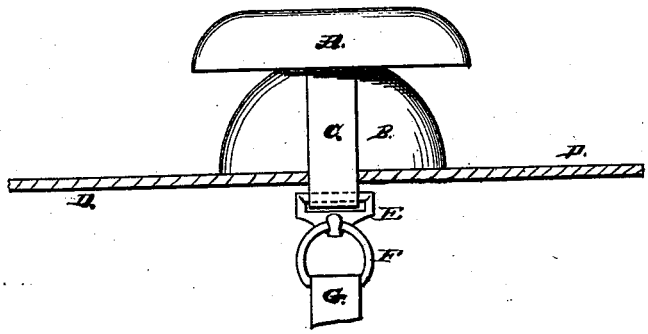


Fig. 2.

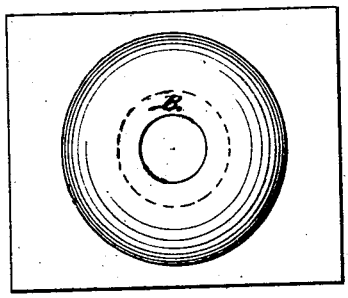


Fig. 3.

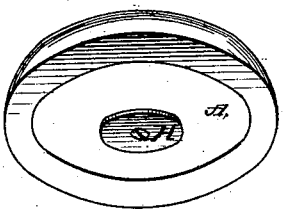


Fig. 4.

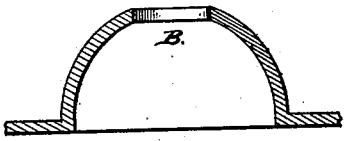


Fig. 5.

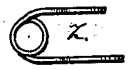
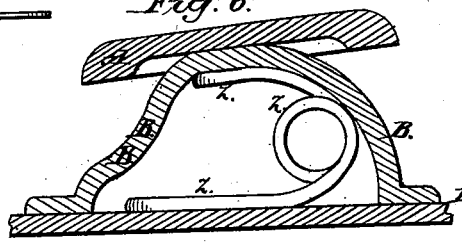


Fig. 6.



Witnesses:

R. W. Johnson

L. L. Young

Inventor:

J. N. Bell

UNITED STATES PATENT OFFICE.

JASPER N. BELL, OF FORT DODGE, IOWA, ASSIGNOR TO L. L. YOUNG AND JOHN THISTLE, OF SAME PLACE.

IMPROVEMENT IN TRUSSES.

Specification forming part of Letters Patent No. **167,977**, dated September 21, 1875; application filed June 14, 1875.

To all whom it may concern:

Be it known that I, JASPER N. BELL, of Fort Dodge, in the county of Webster and State of Iowa, have invented a new and useful Improvement in Trusses, which improvement is fully set forth in the annexed specification, reference being had to the accompanying drawings.

The nature and object of my invention is a truss that will be self-adjusting, always supporting the pad A firmly against the person of the wearer. This result is accomplished by the combination, in a truss, of a hollow hemisphere of rubber, B, which contains a spring which can be changed at will, and attached to a belt, D, supporting the pad A, as shown in the vertical section, Figure 1, of the accompanying drawings.

The invention is further illustrated by Figs. 2, 3, 4, 5, and 6. Figs. 2 and 4 are views of the rubber hemisphere B. Fig. 3 is a perspective view of the pad A, showing the projection H; and Fig. 5 a view of the spring Z. Fig. 6 shows the interior spring in position.

I construct my truss as follows: I first provide an elastic belt, D. To this I attach the hollow rubber hemisphere B, which supports the pad A. The pad A is made slightly concave on the surface, which comes in contact with the person of the wearer, for the reason that it will keep its position better than a plane surface. I also provide a spring, Z, which is placed in the cavity of the rubber hemisphere B. The object is to furnish a support to one side of the rubber hemisphere B, in case the wearer desires the pad A to stand at an angle to the belt D.

It will be readily seen that when the spring Z is placed in position the curl in the spring, and a part of the same, rests against the inside of the hemisphere B, thereby supporting that side, and giving it a greater power of resistance than the opposite side. The spring Z is movable, so that the wearer can adjust the truss readily.

I further provide a short leather belt, C, one end of which is fastened to the pad A, and the other to the main belt D. The belt C supports the hook E, to which is fastened the elastic belt G by the ring F. The belt G is extended under the leg, and is fastened to the main belt D on the back of the wearer. The belt D extends around the body in the usual manner, and is made of elastic material.

I claim as my invention—

The combination, in a truss, substantially as described, of a hollow rubber hemisphere on an elastic belt supporting a pad, and provided with a spring, which may be moved and arranged in different positions to produce a greater pressure upon any side desired, all as and for the purposes specified.

JASPER N. BELL.

Witnesses:

ISAAC GARMOE,

R. W. JOHNSON.