(Model.)

A. J. LUTZ.

ROLLER SKATE.

No. 277,911. Patented May 22, 1883.

Fig: 1

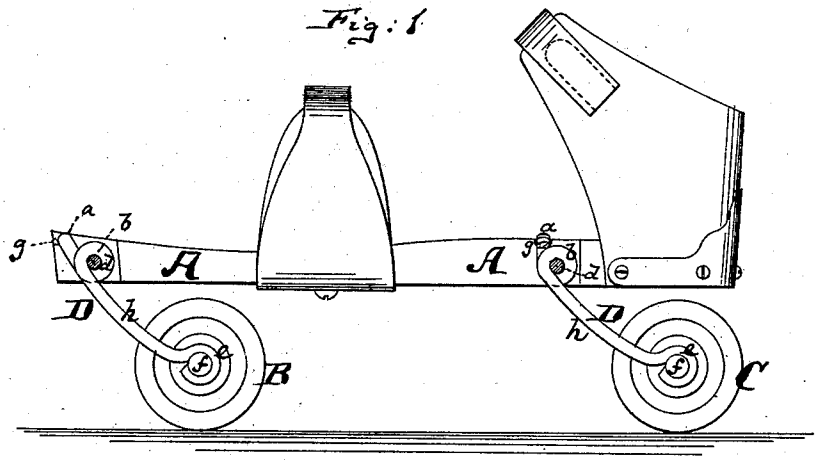


Fig: 2

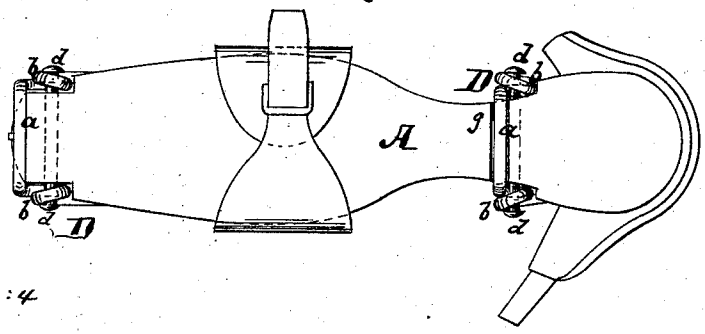


Fig: 4

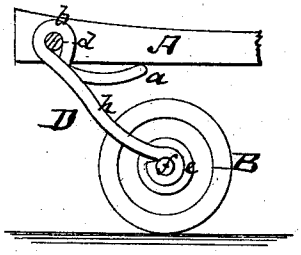


Fig: 3

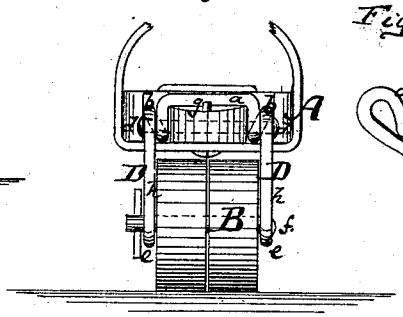
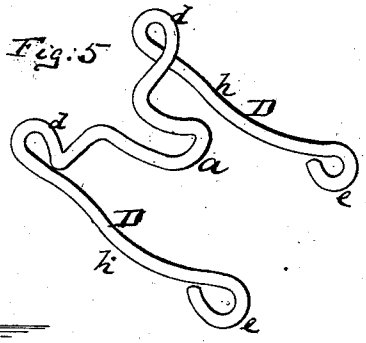


Fig: 5



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UNITED STATES PATENT OFFICE.

ALBERT J. LUTZ, OF NEW YORK, N. Y.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 277,911, dated May 22, 1883.

Application filed September 30, 1882. (Model.)

To all whom it may concern:

Be it known that I, ALBERT JULIUS LUTZ, of New York, in the county and State of New York, have invented an Improved Roller-Skate, of which the following is a specification.

Figure 1 is a side view of my improved roller-skate. Fig. 2 is a plan or top view of the same. Fig. 3 is an end elevation thereof. Fig. 4 is a side view of part of the skate, showing a modified form of bracket. Fig. 5 is a perspective view of said modified form of bracket.

This invention relates to a new manner of joining the rollers to the foot-board of a skate; and it consists in the employment, for this purpose, of certain spring-brackets which are made of wire, and which are fastened by pins to the foot-board, all as hereinafter more fully described. By making these brackets of wire, bent in the peculiar manner in which I bend them the advantages are gained of simplicity of construction, economy, strength, and lightness, and the foot-board which supports these brackets is further pressed by them.

In the drawings, the letter A represents the foot-board of a roller-skate.

B is the front roller or set of rollers, and C the rear roller or set of rollers. Each of these rollers is hung in a bracket, D, there being two such brackets shown on the same skate. Each bracket D is made of steel wire bent into the general form of a letter U, when looked at from the end, as in Fig. 3, and made to straddle the foot-board A, so that the middle and upper portion, *a*, of the bracket rests on the foot-board. At the sides of the foot-board the bracket is formed into coils *b*, through which the fastening pin or bolt *d* is inserted. The same pin, *d*, can pass through both coils *b* of one bracket to hold the bracket firmly in place. The lower end of each bracket is formed into eyes *e*, in which the axles *f* of the wheels have their bearings. Between the coils *b* and the eyes *e* the bracket inclines backward, as shown at *h*. The upper portion, *a*, of the bracket rests against a shoulder, *g*, in the foot-board, which shoulder is either formed by grooving the foot-board or by a separate projection therefrom.

It will be readily seen that the brackets D, formed of the parts *a b h e*, can be readily bent in a machine into the form shown, and that their attachment to the foot-board is very easy, as it is only necessary to insert the pin *d* through the coils *b*, and through the perforation previously made for its reception in the foot-board. The brackets straddling the foot-board strengthen the same, and the portions *h*, which are below the foot-board, are springy, giving elasticity to the skate.

In Figs. 4 and 5 is shown a modified form of bracket, in which the part *a* is carried under instead of over the foot-board A, bearing against it, so as to constitute an additional spring.

I claim—

1. In a roller-skate, the straddling brackets D D, placed over the foot-board and connected with the axles of the skate-rollers, substantially as described.

2. The bracket D, constructed with the top portion, *a*, side coils, *b*, inclined parts *h*, and lower eyes, *e*, for use on a roller-skate, substantially as specified.

3. The straddling bracket D, constructed substantially as described, in combination with the foot-board A of a roller-skate, and with the front support, *g*, on said foot-board, substantially as herein shown and described.

4. The combination of a foot-board of a roller-skate with the roller-carrying wires *h h*, having eyes *b* at their upper parts and eyes *e* at their lower parts, and with the fastening-pin *d*, passing through said eyes *b*, substantially as herein shown and described.

ALBERT JULIUS LUTZ.

Witnesses:

WILLY G. E. SCHULTZ,

HARRY M. TURK.