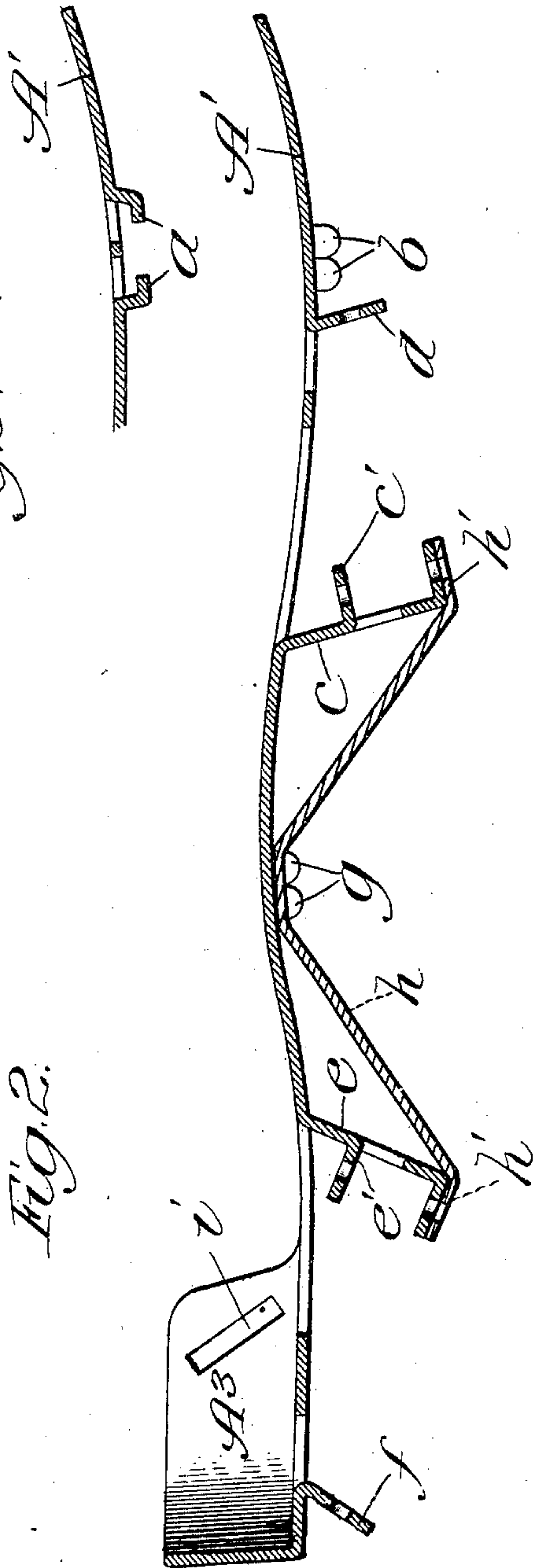
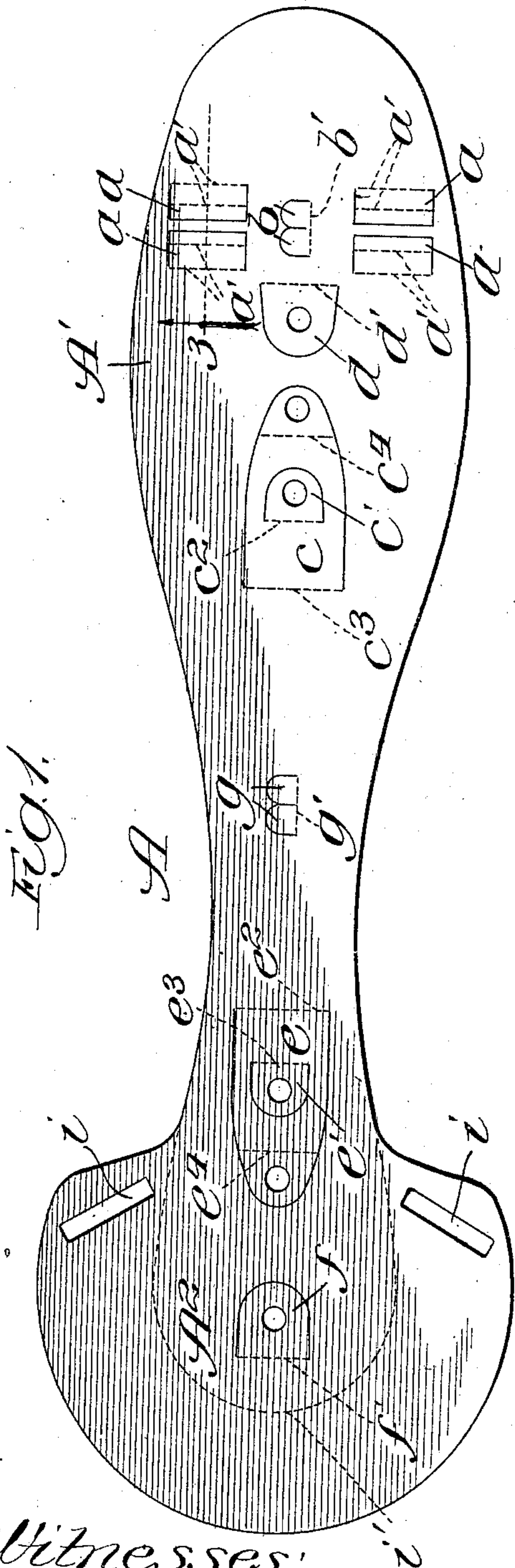


No. 837,882.

PATENTED DEC. 4, 1906.

G. C. PLUMMER.
ROLLER SKATE.

APPLICATION FILED MAR. 12, 1906.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE C. PLUMMER, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF
TO THOMAS J. HRUBY, OF CHICAGO, ILLINOIS.

ROLLER-SKATE.

No. 837,882.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed March 12, 1906. Serial No. 305,628.

To all whom it may concern:

Be it known that I, GEORGE C. PLUMMER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Roller-Skates, of which the following is a specification.

My object is to provide a foot-plate for roller-skates which shall meet all of the requirements of its use, be strong and light, and inexpensive to manufacture. I accomplish this object by forming the foot-plate of sheet metal cut and stamped by die and press to give it the proper form to provide a seat conforming to the foot of the user and brackets for the journaling and support of the roller mechanism or "action."

Referring to the accompanying drawings, Figure 1 is a plan view showing a sheet-metal blank of suitable form for my purpose, indicating by full lines the lines on which the metal is to be cut and by dotted lines those lines on which the metal is to be bent to form the brackets, ears, clamping-guides, and heel-socket. Fig. 2 is a view of the foot-plate in section, indicating by full lines the preferred shape into which the blank is to be stamped and a brace for giving added rigidity to the center brackets; and Fig. 3, a broken sectional view taken on the line 3 in Fig. 1 and viewed in the direction of the arrow.

A is a sheet-metal blank which may be cut from any suitable sheet metal, preferably steel, and having a toe portion A' and a heel portion A². Two pairs of opposed tongues *a a* are cut in the metal of the toe portion, one pair on each side of its longitudinal center, and bent downwardly and inwardly on the dotted lines *a' a'* to the position shown in Fig. 3 to form guideways for the usual adjustable toe-clamping devices. (Not shown.) Ears *b b* are cut in the metal of the toe portion between the pairs of tongues *a* and are bent downwardly on the dotted line *b'* to the position indicated in Fig. 2 for engaging the usual right and left hand screw which operates the toe-clamps. (Not shown.)

Apertured opposed tongues *c d* are cut in the metal of the toe portion A', the former hav-

ing formed in it an apertured tongue *c'*, bent on the dotted line *c²*, preferably at a right angle to the tongue *c*, the tongues *c* and *d* being preferably bent downwardly on the dotted lines *c³ d'*, respectively, to the substantially parallel inclined positions indicated in Fig. 2. The apertured end of the tongue *c* is preferably bent on the dotted line *c⁴* at a right angle to the body of the tongue *c* to cause the aperture thereon to aline with the aperture in the tongue *c'*. The tongues *c c'* and *d* form brackets for receiving and supporting in a common manner the forward cushioned roller mechanism or action. (Not shown.) Tongues *e, e',* and *f*, respectively, are formed in the heel portion of the foot-plate and are bent, preferably, downwardly on the dotted lines *e², e³, e⁴,* and *f'*, respectively, to the portions shown in Fig. 2, these tongues affording brackets for receiving and securing in a common manner to the foot-plate the rear cushioned roller mechanism or action. (Not shown.)

Ears *g g*, similar to the ears *b*, are cut in the metal intermediate the tongues *c* and *e* and are bent downwardly on the dotted line *g'* for clamping a brace *h* to the under side of the foot-plate. This brace has flanged apertured ends *h'*, which bear against the lower flanged ends of the tongues *c* and *e*, the openings in the flanged ends *h'* coinciding with the openings in the tongues. The heel portion A² flares, as shown in Fig. 1, and is provided with strap-receiving slots *i*, the metal being bent upwardly on the curved dotted line *i'* to form a heel-socket A³.

The foot-plate blank (illustrated and described as bent into the shape shown in Fig. 2) is adapted for receiving and securing one form of roller mechanism or action. My invention, however, is not limited to a foot-plate of the precise form illustrated, as the tongues forming the brackets may be bent to other angles to adapt them to receive other forms of roller mechanism or action.

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

1. A sheet-metal roller-skate foot-plate having tongues cut between its edges and bent downwardly and tongues bent from

said first-named tongues at angles thereto to form bearings for the inclined shaft of the skate-roller mechanism.

2. A sheet-metal roller-skate foot-plate
5 comprising, in combination, tongues cut between the edges of the plate and bent downwardly, tongues bent from said first-named tongues at angles thereto to form bearings for

the inclined shaft of the skate-roller mechanism, and an arched brace secured between its 10 ends to the under side of the foot-plate and at its ends to the bearing-tongues.

GEORGE C. PLUMMER.

In presence of—

W. B. DAVIES,
J. H. LANDES.