

UNITED STATES PATENT OFFICE.

THOMAS P. COSTELLO, OF BUFFALO, NEW YORK.

SKATE-FASTENING.

Specification of Letters Patent No. 26,341, dated December 6, 1859.

To all whom it may concern:

Be it known that I, THOMAS P. COSTELLO, of Buffalo, in the county of Erie, State of New York, have invented a new and Improved Skate, which I designate a "Boot-Skate;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of
5 reference and figures marked thereon.

No. 1, in drawing shows socket-box at B both in sole of boot and separate and socket *a* having movable tongue or latch *b*, in the middle of the heel of the boot and also separate. No. 2 in drawing letter C, shows the
15 perches, or rests, *d d'* on blade. No. 3 in drawing shows the upright bolt *c c'* on the perches or rests *d d'* with the catch *e*. No. 4, letter A in drawing shows the boot and
20 skate attached when on the foot, which I designate a boot skate.

My invention consists in the attachment of the blade or runner of a skate to a boot made for the purpose without the aid of exterior straps or ligaments to bind the boot
25 and runner together.

To enable others to make and use my invention I will describe it.

I construct a boot A of any usual material
30 waterproof or otherwise; within this boot I form lateral tongues extending from the heel and meeting on the instep which are laced in front, serving to keep the boot easy and always in good shape. This arrangement I do not claim, as it will not affect the
35 object I have in view.

I form a sole of cork, or any other light wood, covered with leather and sufficiently thick to admit in the middle of the heel a
40 metal socket *a*, having a movable tongue or

latch *b* in its center, and in the center of the sole a socket box B of the same material having a slot with sides beveled within. The steel blade or runner, G, is of the usual shape or form for skates, but having two
45 upright bolts *c c'* with a perch or rest *d d'* to each. The upright bolt *c* when introduced into the socket box B slides in a horizontal slot made therein and forms a close dovetail or lock-joint. The upright bolt *c'*
50 is then introduced into the socket *a* and is held by the latch *b* at the catch *e* keeping the boot and runner firmly connected. This combination and arrangement of boot and runner forms a complete skate without the
55 aid of external straps or ligaments.

To detach or separate the runner from the boot the bolt *c'* is first removed from the socket *a* by holding the boot with the left hand the toe toward the breast pressing the
60 thumb on the shank close up to the heel and bending the boot inward the runner can be easily removed from the socket *a* and then the bolt *c* from the socket box B by pressing the blade toward the toe. The boot when
65 the runner is removed can be worn as an ordinary boot to and from the skating grounds.

What I claim as my invention and desire to secure by Letters Patent is—
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A boot with sockets sunk therein as described and upright bolts welded to a steel blade or skate runner, both being made and arranged as shown and described and attached to each other for the purpose specified.
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THOMAS P. COSTELLO.

Witnesses:

GEORGE L. FOWLER,
MORT. O. BRUCE.

S. W. MARSH.
Breech-Loading Fire-Arm.

No. 26,362.

Patented Dec. 6, 1859.

