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THORNHILL'S

SKATES.

THORNHILL'S

SKATES.

*Galoschen =
Überschute auf Holzigen
Wegen*

gebraucht

VERZAMELING
Mr. J. Van Buttingha Wichers.

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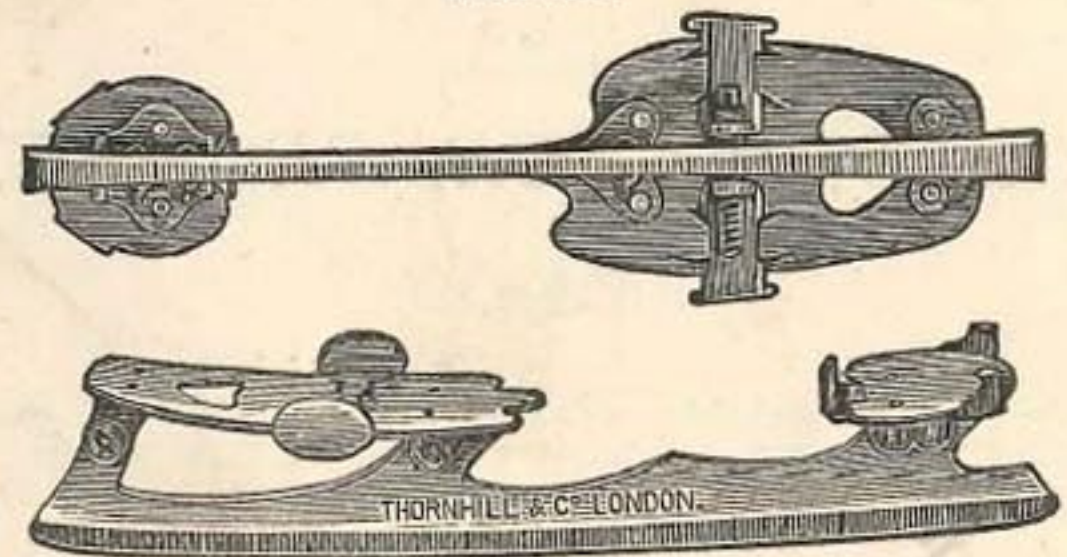
met gewonden
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246
Prijscourant. Thornhills Skates. New-Bound street, Londen.
Schaatsen, afdruk uit het tijdschrift »Eigenhaard» No. 47,
1885, door G. P. H. Zimmerman.

Photographie van 5 soorten van schaatsen.
Breed 11 cM. Hoog 14.5.

23
THORNHILL'S
IMPROVED
LONDON-MADE SKATES

WITH THE



DOWLER PATENT BLADE,
AND
THORNHILL'S IMPROVED METHOD OF CHANGING THE BLADES;

As recommended by
CAPT. DOWLER AND T. MAXWELL WITHAM, ESQ.,
FOR FIGURE SKATING,

Can only be obtained of
W. THORNHILL & Co.,
144 and 145, NEW BOND STREET, LONDON, W.

ESTABLISHED 1734.

Skating Club Badges, Medals, &c.

DESIGNED & EXECUTED

IN

GOLD, SILVER, BRONZE,
&c.

W. THORNHILL & Co.,

Cutlers, Silversmiths, and Jewellers, to the
Queen & Royal Family,

144 and 145, NEW BOND STREET, LONDON, W.

ESTABLISHED 1734.

SKATING.

NEW FORM OF BLADE FOR FIGURE SKATING.

SINCE THE "CLUB SKATE" (see page 8), as it is called, was created, somewhere about the year 1830, the form of the blade has varied very little.

It has generally been made with straight sides, that is, of the same thickness from toe to heel, although some few have been made with convex sides; but these have been discarded as altogether wrong in principle. The variation in the curvature of the skate in the vertical plane along its lower edge has been much more marked, experiments having been tried with blades having all degrees of curvature varying from two to twelve feet radius.

The curvature most usually adopted is that having a radius of seven feet, as this best combines the means of turning with facility, with the least obtainable loss of power through friction. If a figure skater simply skated curves without turns, a skate having a radius of nine, or even twelve feet, would suit him best, because a greater bearing surface would be in contact with the ice, and consequently, the weight of the skater being more distributed, the cutting in and resulting friction would be less; but such a skate presents so broad a pivot, that turning with facility becomes impossible.

Towards the end of last skating season Captain Dowler, a member of the Skating Club, astonished the other members by bringing to the club ice a skate made with *concave* sides. Several of the members tried it, and it was obvious, not only that it worked well, but that all movements were skated with very much greater ease and power on it than on the old form of blade. I myself gave it a good trial, and was so impressed with its merits that I persuaded Captain Dowler to go at once to a patent agent and file a specification of his invention. In this he says: "My invention relates to the construction of skate blades, in such a manner as to facilitate their use, especially for movements in curves. For this purpose, instead of making the blade with flat or straight sides, as it is usually made, or with convex sides, as it has been sometimes made, I make it with concave sides, so that the blade is thinnest at or about the middle of its length, and widens out both ways towards the end, the increase of thickness resulting from a gentle curvature to which the concavity is formed." And further on he says: "The skate blade is hollowed out at the sides so that it is thinnest at or near the middle of its length, and swells out in thickness with a gentle curvature towards the ends. Owing to the vertical curvature at the lower edge of the blade, the skate when verticle will rock or tilt lengthwise, and also if it had straight sides, and still more if it had convex sides, it would rock or tilt lengthwise, when inclined from the vertical; but by making the sides more or less hollow or concave, according to my invention, there will be a dimioution of such lengthwise rocking or tilting movement when the skate is inclined from the vertical, as for running in curves—that is to say, there will in such attitudes be a greater portion of the length of the blade in actual or approximate contact with the ice and this is practically found to give increased stability as well as facility in traversing curves."

As a fact it practically comes to this: that the new form of skate blade gives the figure skater that which he has so long desired, namely, the increased bearing surface and absence of friction which a nine or ten foot radius would give him in skating curves, combined with the facility of turning given by a skate having a seven foot radius; and this will be readily seen if the skate be placed in a vertical position. The seven foot radius to which most skates are ground enables them to be pivoted easily;

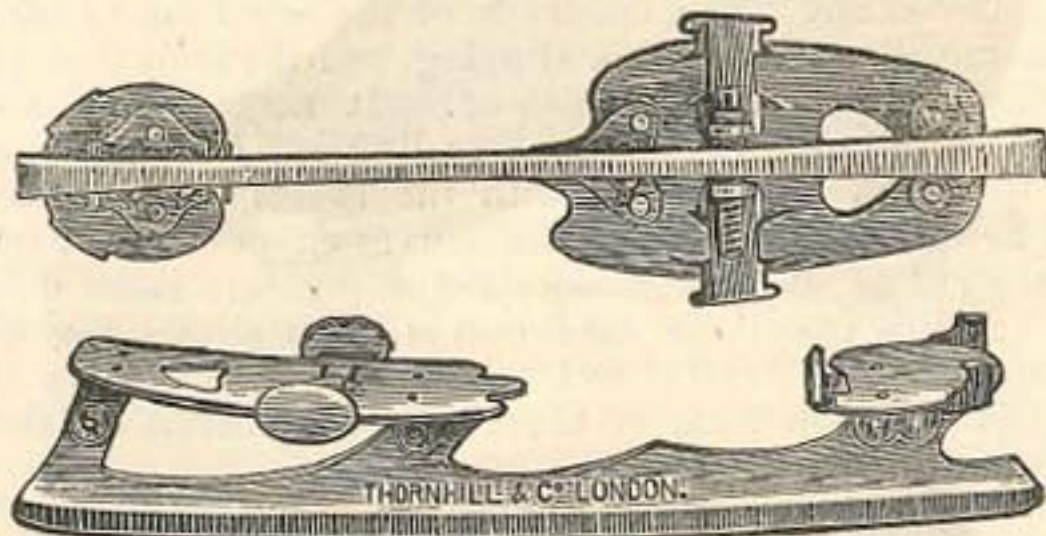
but immediately the skate is deflected to such an angle as is usual when a curve is skated, the advantage of the side concavity becomes apparent, as the bearing surface then assumes that of a skate having a nine or ten foot radius. And this is not all; it has another great advantage over the old blade in this way. In skating, one of the great sources of loss of power is the inability of always placing the striking foot at right angles to the gliding foot in the act of striking, and the consequent partial or actual slip of the skate. The concavity of the new form of blade in a great measure corrects this slipping, and the increased power thus obtained is quite astonishing. It may occur to some skaters, as it did to me before I actually tried Captain Dowler's skate, that curves coincident with the radius of the concavity would be rendered easier, but that curves either larger or smaller than the radius of the concavity would become more difficult. As a fact, this is not the case, curves of all sizes being skated with equal facility; and I feel convinced that no figure skater who tries the new form of blade will ever revert to the old straight-sided skate.

Messrs. THORNHILL & Co., of New Bond Street, have a Licence for the manufacture of these skates. They have shown me a capital plan for adapting the new blade to the B.B. footstock. As usually made, the blades of the B.B. skates are bolted to the footstock with four rivets. When the blade requires grinding it has to be removed, and to do this the rivets have to be filed off. Messrs. Thornhill have substituted for these rivets, four bolts with screws and nuts, so that the blade can be removed at pleasure; and any skater having these skates, with *two* sets of the new blades so fastened, may feel confident of never losing a day's skating for want of skates, as one set of blades may be in use while the other is being ground. It must not be overlooked that manufacturers are shy of making a large stock of any new invention; therefore skaters, in order not to be disappointed, had better order their skates before the winter is upon them. A model of Messrs. Thornhill's improved B.B. skate with the Dowler blade, can be seen at *The Field* office, and 144, New Bond Street.

The Field Newspaper, October 11, 1879.

THORNHILL'S B. B. SKATE

IS A FAVOURITE AMONG THE MEMBERS OF THE LONDON SKATING CLUB, BEING QUICKLY AFFIXED TO ANY BOOT, AND AS READILY REMOVED.



PRICES.

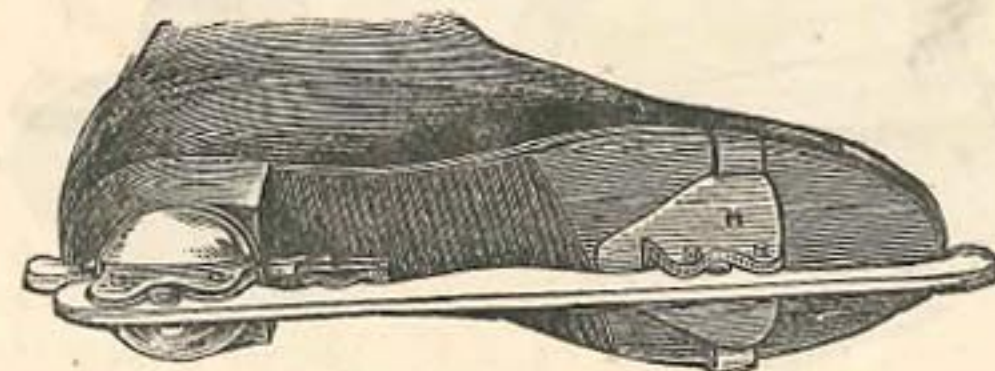
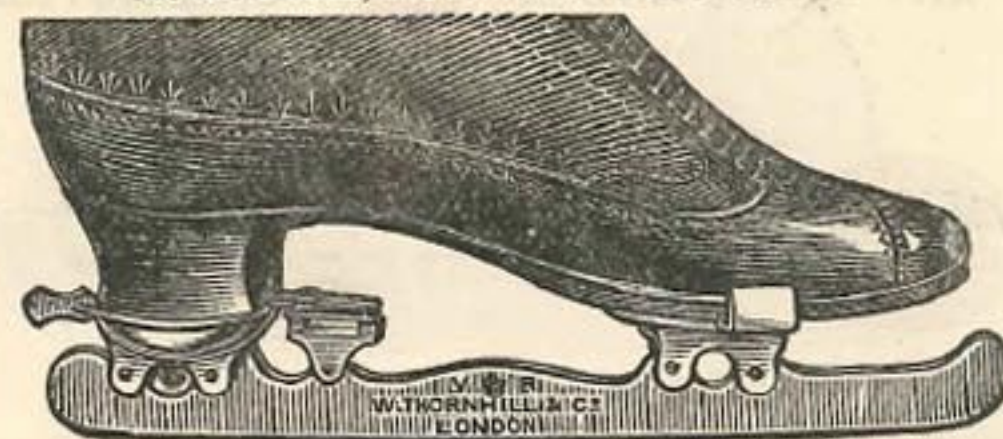
	£	s.	d.
With ordinary Club Pattern London made Blades	1	5	0
If with ordinary Dowler Blades, (the radius from the centre of the Skate) Extra	0	6	0
For radius set back „	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham Improvement Extra	0	6	0
For Screw Bolts and Nuts, for changing the Blades „	0	5	0
The price, complete, with one pair of Dowler Blades, with all improvements	2	5	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set-back	1	4	0
„ „ „ Witham Improvements	1	10	0

THORNHILL'S SKELETON TURN-TABLE SKATE.

The most easily attached of all Skates made. There is a small plate let into the heel of the boot, into which the T on the Skate fits; then by turning the table of the heel of the Skate it adjusts itself, and the Skate is securely fixed until it is required to be removed, when, by merely turning the table back, the Skate is at once removed.



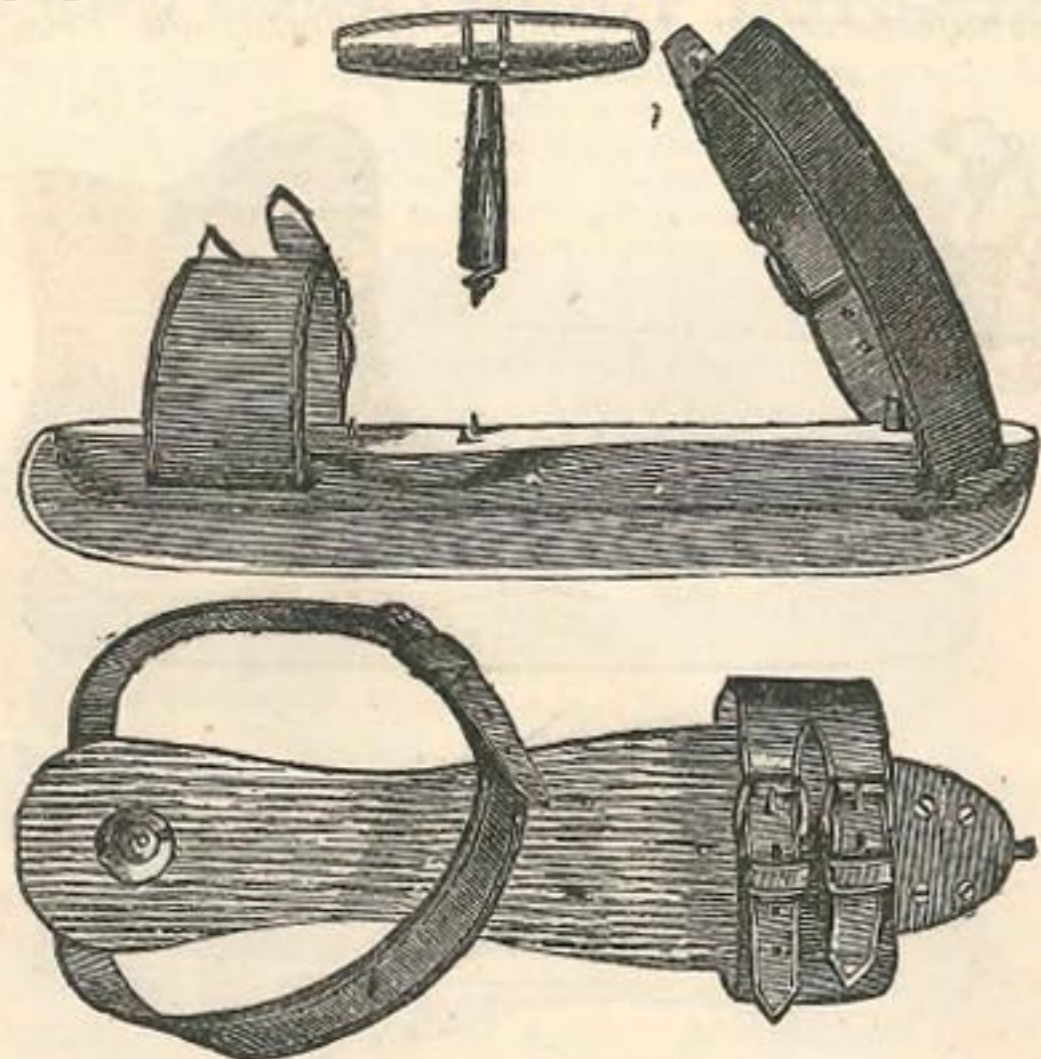
PRICES.

	£	s.	d.
With ordinary Club Pattern London made Blades	2	10	0
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back „	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham Improvement Extra	0	6	0
For Screw-bolts and Nuts, for changing the Blades „	0	5	0
The price, complete, with one pair of Dowler Blades with all Improvements	3	10	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back	1	4	0
„ „ „ Witham Improvements	1	10	0

The CLUB PATTERN STRAP SKATE



This, with the broad toe-strap is a great improvement upon the old pattern.

PRICES.

	£	s.	d.
With ordinary Club Pattern London made Blades	1	8	6
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back "	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham Improvement Extra	0	6	0
The price, complete, with one pair of Dowler Blades, with all Improvements	2	3	6

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back... .. .	1	4	0
" " " Witham Improvements	1	10	0

GIMLETS, 1s. 6d. and 3s. 6d.

Thornhill's Steel Plate Skate.

As manufactured for their Royal Highnesses the Prince and Princess of Wales.



An extremely light and elegant Skate, easily put on, and can be worn with light thin sole boots.

PRICES.

	£	s.	d.
With the ordinary London-made Club Pattern Blades	2	10	0
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back "	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham Improvement Extra	0	6	0
For Screws and Nuts to change the Blades "	0	5	0
The price, complete, with one pair of Dowler Blades, with all improvements	3	10	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back... .. .	1	4	0
" " " Witham Improvement	1	10	6

THE MOUNT CHARLES SKATE.

Suitable for Ladies or Gentlemen.



The **LIGHTEST** Skate made, being screwed to the sole of the boot it cannot get loose, and weighs but little more than the blade.

PRICES.

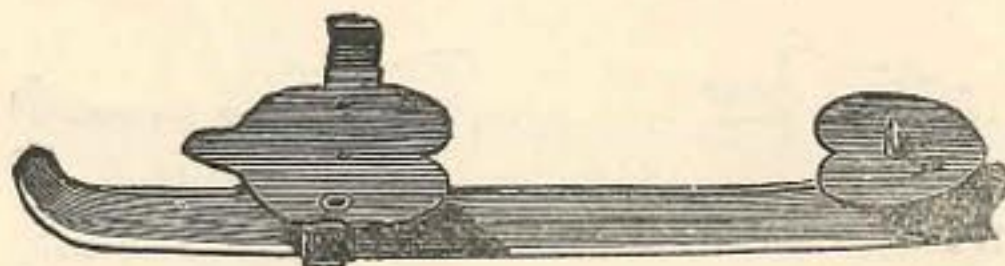
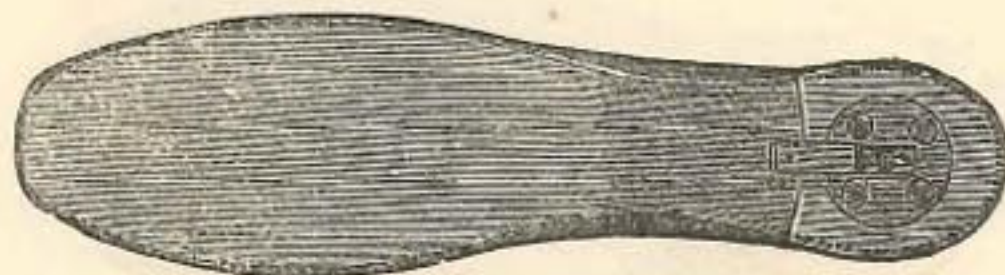
With ordinary Club Pattern, London made Blades	1	15	0
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back „	0	3	0
For Hollowed Sides (to lighten the Skate) known as the Witham improvement Extra	0	6	0
For Screw Bolts and Nuts for changing the Blades „	0	5	0
The price, complete, with one pair of Dowler Blades, with all improvements	2	15	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back	1	4	0
„ „ „ Witham improvements	1	10	0

THORNHILL'S CLAMP SKATE.

ESPECIALLY ADAPTED FOR LADIES.



This may fairly be said to be one of the **BEST SKATES INVENTED**, being attached or taken off in an instant, requiring no Strap or previous adjustment.

PRICES.

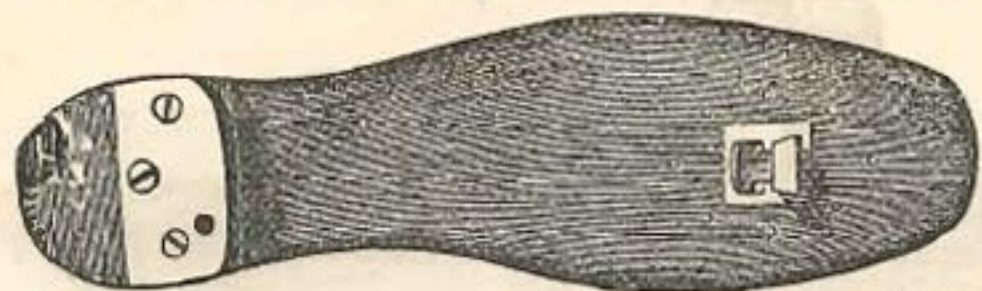
	£	s.	d.
With ordinary Club Pattern London made Blades	2	10	0
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back „	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham Improvement Extra	0	6	0
For Screw Bolts and Nuts for changing the Blades „	0	5	0
The price, complete, with one pair of Dowler Blades, with all improvements	3	10	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change... ..	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back	1	4	0
„ „ „ Witham Improvements	1	10	0

THORNHILL'S CANADIAN SKATE.

SUITABLE ONLY FOR GENTLEMEN.



Is an approved pattern, much used by experienced skaters.

PRICE 50s.

Ditto, Electro Plated, 63s.

The Boots must be sent with each order.

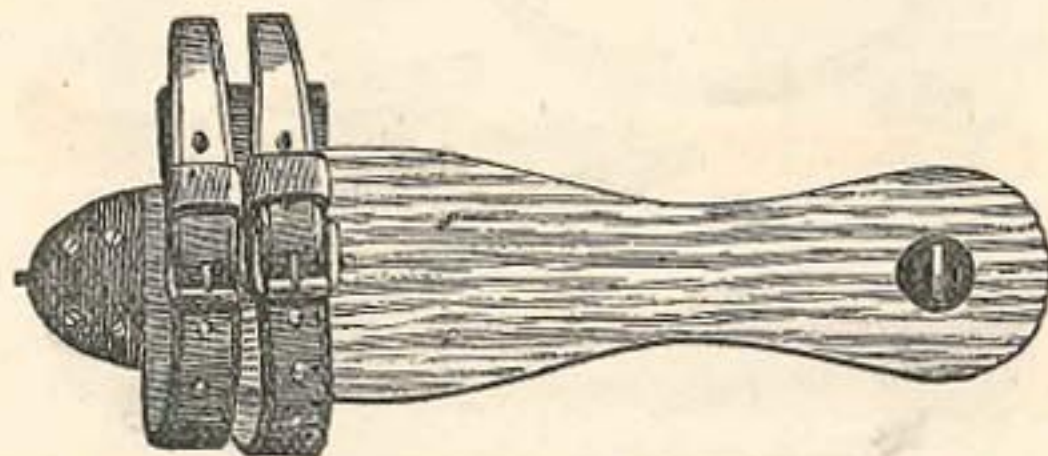
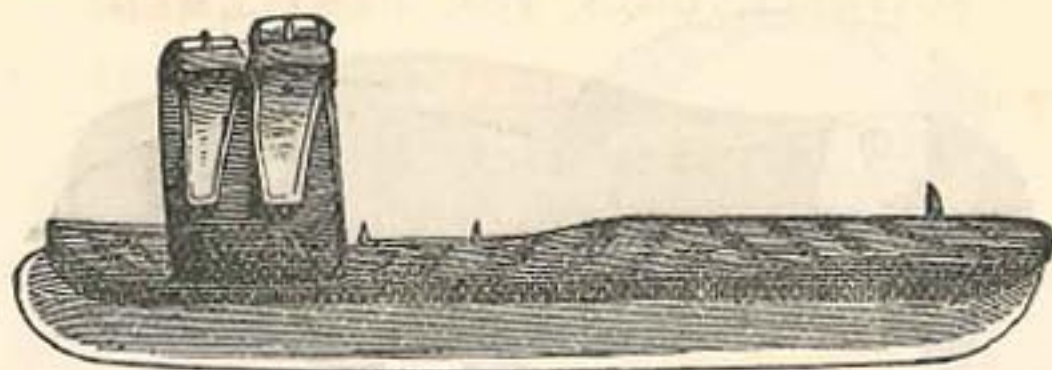
PRICES.

	£	s.	d.
With ordinary Club Pattern London made Blades	2	10	0
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back "	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham Improvement	0	6	0
For Screw Bolts and Nuts, for changing the Blades	0	5	0
The price, complete, with one pair of Dowler Blades, with all improvements	3	10	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back	1	4	0
" " " Witham Improvements	1	10	0

THORNHILL'S T PLATE SKATE.



A good pattern, being securely fixed with a toe-strap.

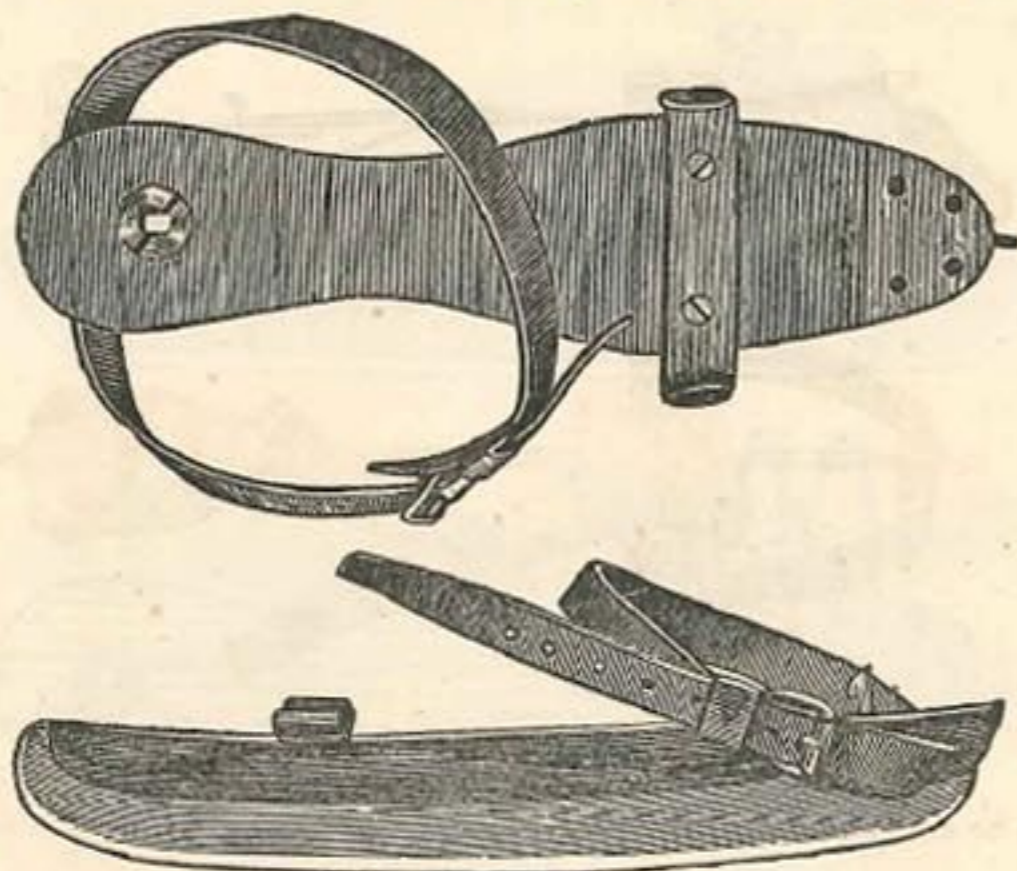
PRICES.

	£	s.	d.
With ordinary Club Pattern London made Blades	1	15	0
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back "	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham improvement Extra	0	6	0
The price, complete, with one pair of Dowler Blades with all improvements	2	10	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back... ..	1	4	0
" " " Witham Improvement	1	10	0

The CLUB PATTERN CLAMP SKATE.



A capital pattern, entirely doing away with the necessity of straps, although it is usually worn with a single heel strap, to come across the instep, thus preventing the possibility of getting loose.

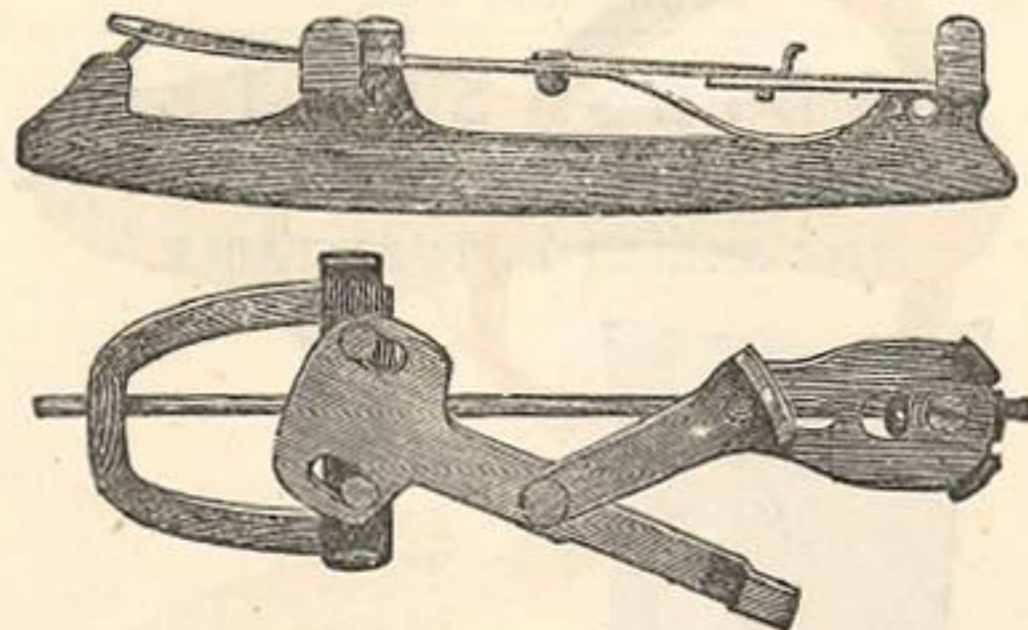
PRICES.

With ordinary Club Pattern London made Blades	1	18	6
If with ordinary Dowler Blades (the radius from the centre of the Skate) Extra	0	6	0
For radius set back	0	3	0
For hollowed sides (to lighten the Skate), known as the Witham improvement Extra	0	6	0
The price, complete, with one pair of Dowler Blades, with all improvements	2	13	6

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern, Blades to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back	1	4	0
" " " Witham improvement	1	10	0

THE ACME CLUB SKATE.



PRICE, 20s.

Has to be adjusted to the boots, but when this is done they are fixed or removed in a moment.

PRICES.

	6	s	d.
The best quality Acme Club Skate, Screws and Nuts examined and guaranteed by W. T. & Co.	1	0	0
With ordinary Dowler Blade (the radius from the centre of the Skate) Extra	1	1	0
For radius set back	0	3	0
For Hollowed Sides (to lighten the Skates), known as the Witham Improvement Extra	0	6	0
For Screw Bolts and Nuts for changing the Blades	0	5	0
The price, complete, with one pair of Dowler Blades, with all Improvements	2	15	0

EXTRA BLADES PER PAIR.

Ordinary London Club Pattern Blades, to change	0	15	0
Ordinary Dowler Blades	1	1	0
Dowler Blades, with radius set back... ..	1	4	0
" " " with Witham Improvement	1	10	0

5 % DISCOUNT FOR READY MONEY.

GOOD COUNTRY MADE SKATES,

15s. PER PAIR, INCLUDING STRAPS.

GIMLETS, 1s. 6d.

LADIES' SKATES.

All the foregoing pattern Skates are made for Ladies, but those most approved are

THE SKELETON TURN-TABLE.



THE CLAMP SKATE.
THE STEEL PLATE.

THE B. B.
THE MOUNT CHARLES.

FLOOR SKATES.

Prices from 12s. 6d.

W. THORNHILL & Co. To Queen & Royal Family. 144 & 145, New Bond St.
Established 1734.