

March 17, 1925.

A. J. SIEMNASH

1,530,211

COMBINATION SKATE

Filed Aug. 9, 1924

2 Sheets-Sheet 1

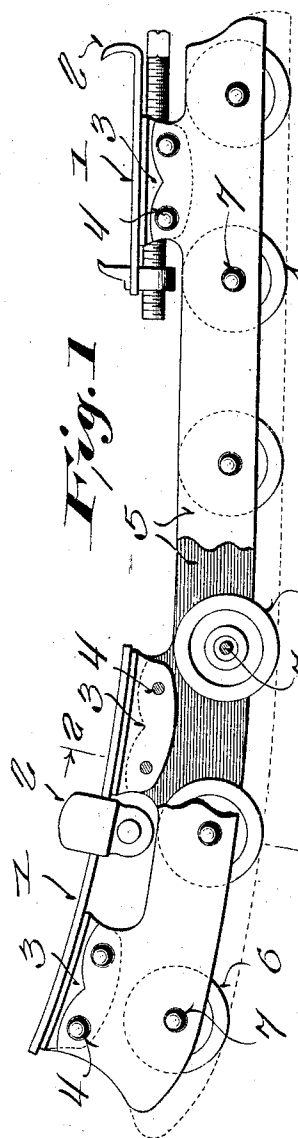


Fig. 1

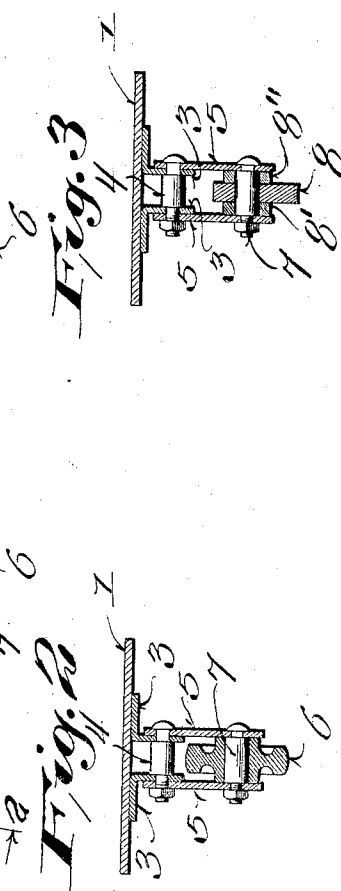


Fig. 2



Fig. 3

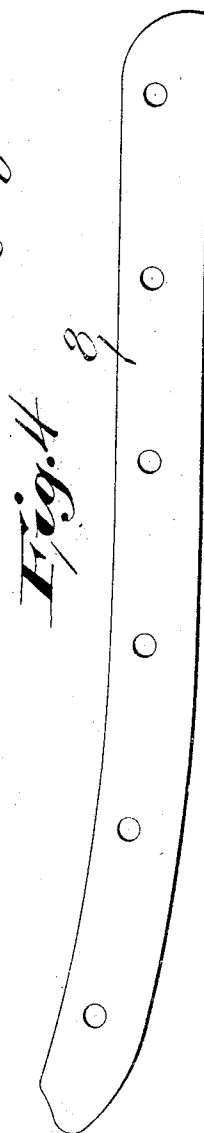


Fig. 4

W. Wess
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Inventor
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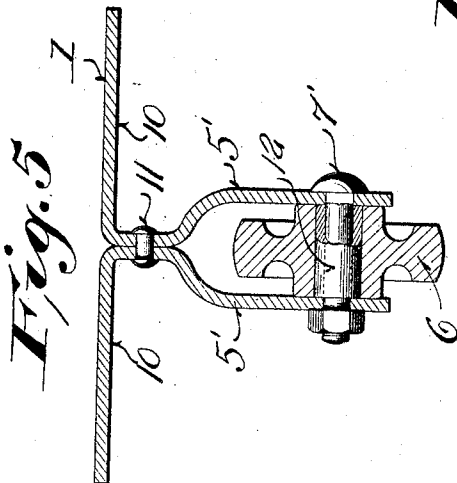
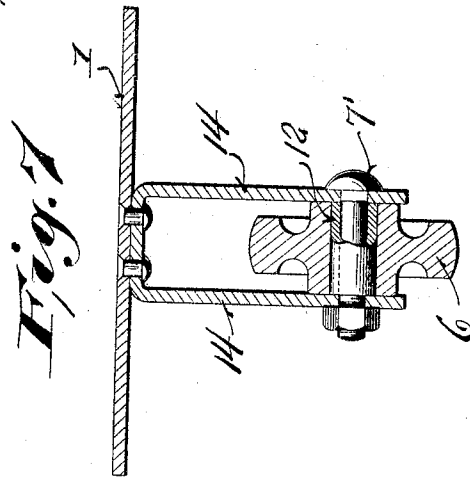
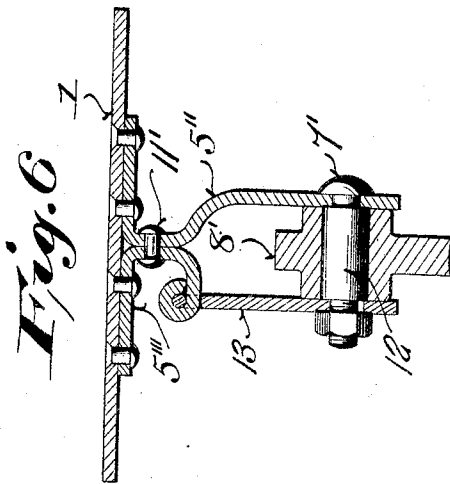
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COMBINATION SKATE

Filed Aug. 9, 1924

2 Sheets-Sheet 2



Witness
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Patented Mar. 17, 1925.

1,530,211

UNITED STATES PATENT OFFICE.

ADOLPH J. SIEMNASH, OF MILWAUKEE, WISCONSIN.

COMBINATION SKATE.

Application filed August 9, 1924. Serial No. 731,070.

To all whom it may concern:

Be it known that I, ADOLPH J. SIEMNASH, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Combination Skates; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention pertains to improvements in skates and has primarily for its object to provide a simple and durable skate structure which is convertible for either roller or ice skating.

A more specific object is to provide simple means for rigidly attaching either rollers or a blade to the body of the skate.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the novel construction, combination and arrangement of parts substantially as hereinafter described and more particularly defined by the appended claims, it being understood that such changes in the precise embodiment of the herein disclosed invention may be made as come within the scope of the claim.

In the accompanying drawing is illustrated one complete example of the physical embodiment of the present invention constructed according to the best mode so far devised for the practical application of the principles thereof.

Figure 1 is an elevational view of the skate constructed in accordance with the present invention, parts being broken away and in section to more clearly illustrate the structural features.

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a similar view illustrating a blade substituted for a roller shown in Figure 2, and

Figure 4 is an elevational view of the blade to be substituted for the rollers illustrated in Figure 1.

Figure 5 is a transverse sectional view through a skate showing a modification of the invention.

Figures 6 and 7 are similar views illustrating further modifications.

Referring now more particularly to the accompanying drawing, the present invention comprises a pair of conventional front and rear foot supports 1 which are provided

with the customary clamps 2 for attaching the skate to a shoe.

Permanently secured to the foot supports in any suitable manner, such as welding or riveting, are a plurality of depending brackets 3 arranged in pairs and spaced apart for the reception of the shouldered studs 4. Carried by the brackets 3 and secured thereto by means of the studs 4, are a pair of longitudinal plates 5 attached to the outside of the brackets and depending downwardly for the purpose of receiving ground engaging means, which may be either the rollers 6 or the blade 8, as desired.

For the purpose of retaining either the rollers or the blade, the plates 5 are provided with a plurality of shouldered studs 7 spaced throughout their length. Particular attention is directed to the fact that the studs 4 and 7 are permanently secured to one of the plate members 5, while their opposite ends are threaded and provided with nuts to permit removal of the opposite plate. By this arrangement one of the plates 5 is permanently secured to the foot supports, which plate in turn permanently carries the studs 7. Thus it will be seen that in order to convert the skate from a roller to an ice skate, it is only necessary to remove the nuts carried by the studs 4 and 7, to thus allow the removal of the detachable plate 5. The rollers or blade can then be readily slipped over the studs 7 and the removable plate 5 secured in proper position.

While I have illustrated and specifically described one form of the invention, it is obvious that various modifications may be utilized for accomplishing the same results, as illustrated in Figures 5, 6 and 7.

In Figure 5, the foot supports 1 are formed by two horizontal members 10 secured together by the rivets 11 or other suitable means, and provided with downwardly projecting side plates 5' which are flared for the reception of ground engaging means, such as the rollers 6 or the blade 8.

In this form of the invention, the rollers or blades are secured within the side plates 5 by means of bolts 7' on which is mounted a spacing sleeve 12, to prevent binding of the rollers 6.

In Figure 6, the foot rest 1 has rigidly secured thereto a side plate 5'' and a hinge plate 5''' both of which, for the purpose of rigidity are secured together by the rivets

11'. The hinge plate 5''' is flared outwardly at its lower edge and has hingedly mounted therein the side plate 13.

In this form of the invention, I here illustrated the blade 8' as positioned between the side plates 5'' and 13, the same being carried on bolts 7' provided with spacing sleeves 12, as illustrated in Figure 5.

In Figure 7 the side plates 14 are formed from a single U-shaped member riveted or otherwise suitably secured to the foot rests 1. In this form, the same means is employed for attaching the rollers or blade within the side plates 14 as that employed in Figures 5 and 6.

From the foregoing it is obvious that a very simple, practical, and durable skate structure has been provided, which can be readily converted to either a roller skate or an ice skate. Also, in placing the blade

8 on the studs 7, I utilize spacing washers 8'' on either side to centrally position the same between the plates 5, although in some instances the washers may be eliminated by providing bosses as shown in Figure 6.

I claim:—

A skate comprising a pair of foot supports, a pair of spaced plates carried thereby, one of said plates being permanently secured to said foot supports, and the other being detachable therefrom, a plurality of studs permanently carried by the permanently secured plate, and ground engaging means carried on said studs between said plates.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin.

ADOLPH J. SIEMNASH.