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MOUNTING PLATE OR GAUGE FOR SECURING SKI
BINDING COMPONENTS TO SKIS
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3,476,400

Fig. 1

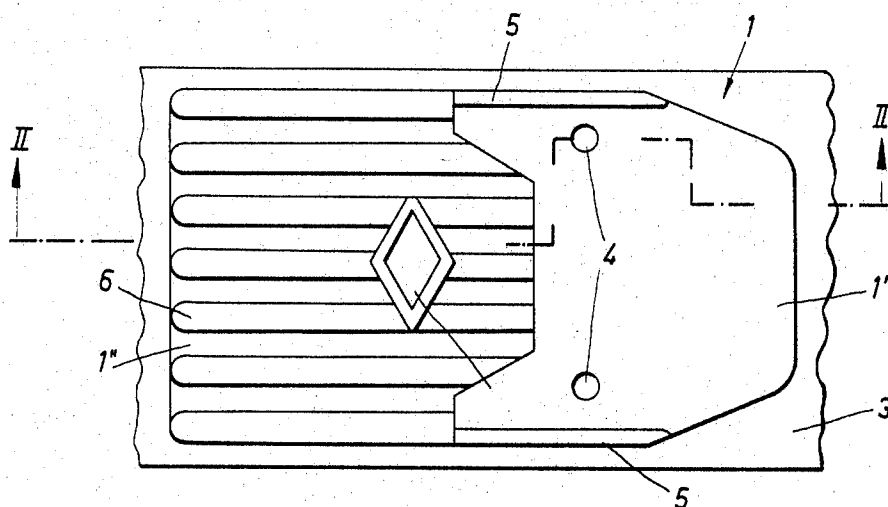
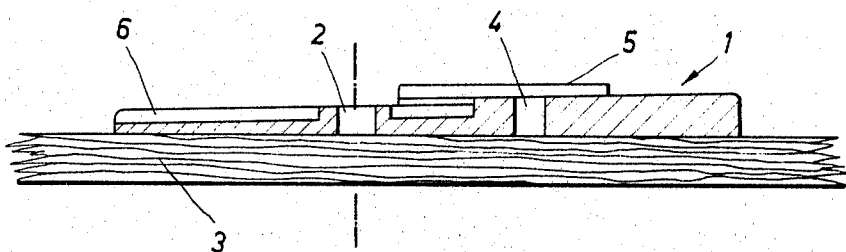


Fig. 2



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MOUNTING PLATE OR GAUGE FOR SECURING SKI BINDING COMPONENTS TO SKIS

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2 Claims

ABSTRACT OF THE DISCLOSURE

A mounting and gauge plate for securing ski binding components to skis, which has markings, recesses, bore holes and the like for providing the mounting holes or bores in the ski, which plate serves simultaneously as a support plate for a safety catch for the heel of the ski boot.

The invention relates to a mounting plate made of a relatively hard, wear resistant material for securing ski binding components on a ski. Plates of this type are used as a drill gauge for producing the mounting holes or bores on the ski which serves for retaining the ski binding components (e.g., the safety jaws for the safety heel holder, etc.). In order to arrange for the correct position of the mounting plate or drill gauge on the ski, the plate is provided with markings, scoring, recesses or the like that must be made to register with corresponding markings on the surface of the ski. Subsequently holes or threaded apertures may be bored into the ski through corresponding apertures in the mounting plate.

Mounting plates of this type provide a working facility not only for ski shops, sporting goods stores or the like, but above all they make it possible for the uninitiated user, after he has chosen the skis and the particular binding he desires, to simply and rapidly mount the components himself. This is especially of importance of the sale by mail order houses where for reasons of organization, for example lack of suitable workers, it is normally not possible to secure the binding to the skis before shipment. Especially in such cases it is a considerable relief for the inexperienced person if such a mounting plate is available for performing these operations.

Heretofore it was a disadvantage that this plate could no longer be used after mounting the binding components and that the expenses incurred for this purpose could only serve for a single use.

It is therefore proposed in accordance with the invention to construct the plate simultaneously as a standing or support plate for a heel safety catch (so-called heel automatic). This is a binding component which retains the ski shoe at the heel with suitable resilient force and presses it down as well as frees it after release or after overcoming this resilient force (e.g., pressing down on a lever by means of the ski pole). In accordance with the invention, therefore, one and the same component constitutes the mounting or drill gauge and the aforementioned support plate for the safety catch for the heel. Since such a plate in which both features are inherent can be suitably formed and made without any essential increase in expenditure, a corresponding savings is achieved as compared to the former production of two separate plates. The plate in accordance with the invention can be made in a single piece by injection moulding with plastic material. Furthermore, the mounting support and the shipping are simplified.

Further advantages and features of the invention will become apparent with reference to the embodiment illustrated in the drawing, in which

FIG. 1 is a plan view of a plate in accordance with the invention,

FIG. 2 is a section taken along line II—II in FIG. 1, which also shows a part of the ski.

The plate 1 is preferably made of a relatively hard, wear resistant plastic. It could also be made of a different material, for example sheet metal, by a pressing or stamping operation. The ski 3 is only partly shown.

Plate 1 has one or more markings or recesses 2, for example in the form of a rhomboid, which has to be made to register with a corresponding mark, for example a cross, on the surface of the ski. This completes the aligning, i.e., the plate 1 is in the correct position relative to the ski 3.

Furthermore plate 1 has a suitable number of apertures, in this case two holes 4, through which the bores in the ski can be made after the aforementioned aligning. The arrangement and construction of the plate is suitably such that with it first the bores for the support of the forward safety head or safety jaw that engages the point of the boot are to be made. Subsequently it is possible with the same plate, after turning it by an angle of 180° and making the necessary adjustment or alignment with respect to a rearward marking on the ski, to drill also the mounting bores or holes for the automatic heel release at the rear.

The plate 1 is furthermore so constructed and dimensioned at its rearward part 1' that it serves also as a support or standing plate for automatic heel release (heel automatic). For this purpose the plate may furthermore be provided on each side with a longitudinally extending upwardly projecting ridge 5 or the like. These two ridges are at such a distance from one another that they seize the base plate or the like of the heel safety catch or holder, which is not shown in the drawing. This provides a better support for the heel safety catch that rests on the part 1' and a guide slide for its longitudinal displacement. The ridges may also be formed as extensions of the lateral edges of the plate 1, i.e., they may be flush with the lateral edges.

In a preferred embodiment of the invention the plate is also lengthened towards the front to such an extent that its forward part 1'' constitutes a support for the heel of the ski boot. This forward plate part 1'' may for this purpose be provided with upwardly projecting ribs 6.

Having now described my invention with reference to the embodiment illustrated in the drawing, what I desire to protect by Letters Patent of the United States is set forth in the appended claims.

I claim:

1. Mounting and gauge plate for securing binding components to skis, said plate being made of a relatively hard, wear resistant material and having markings, recesses and bores to indicate the location of bore holes for mounting components on the skis, said plate comprising a forward part and a rearward part extending longitudinally of the ski, said forward part defining a support solely for the heel of a ski boot and being provided with ribs or the like and a marking recess, and said rearward part being adapted to serve as a support plate for an automatic heel release that engages the heel of a ski boot and having mounting bores permitting fastening of an automatic heel release to the ski, and a ridge extending longitudinally along each side of the rearward part of said plate and upwardly therefrom, said ridges being arranged at a distance from one another to define lateral guides for the base plate of the automatic heel release of a ski boot.

2. Mounting and gauge plate in accordance with claim 1, where said ridges are located at the lateral edges of said

plate and said mounting bores serve for fastening said plate to the ski.

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