Sept. 7, 1943. F. F. OLSON ET AL 2,328,842

FUR TRIMMED FOOTWEAR

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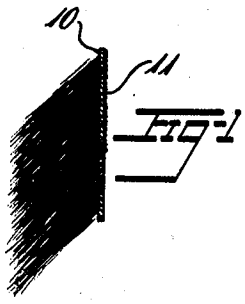


Fig. 1

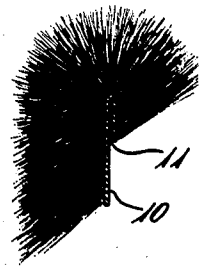


Fig. 2

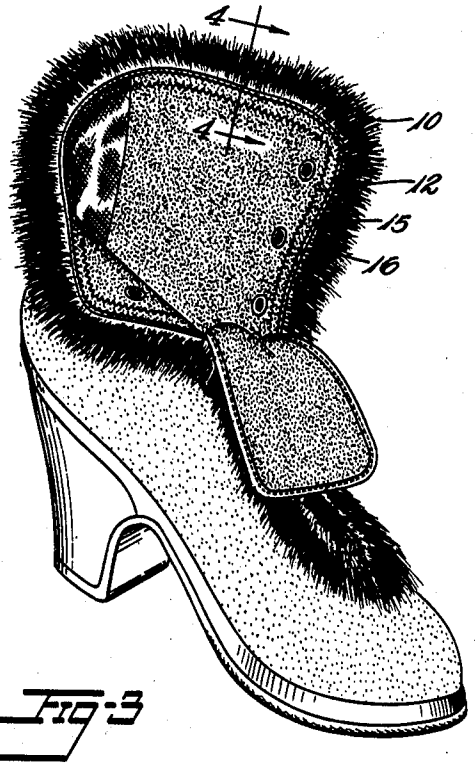


Fig. 3

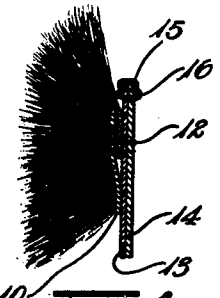


Fig. 4

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FUR TRIMMED FOOTWEAR

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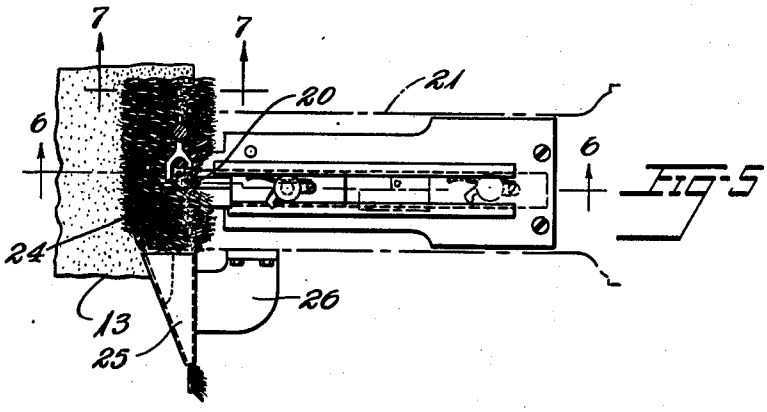


Fig-5

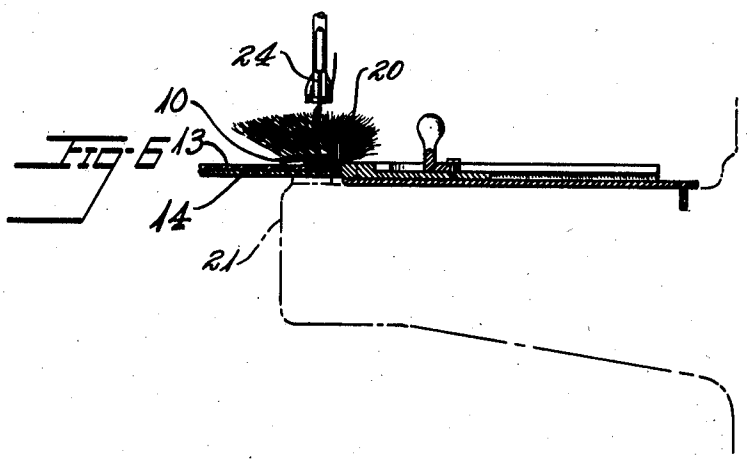


Fig-6

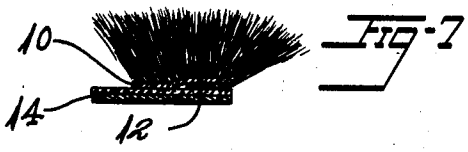


Fig-7



Fig-8

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UNITED STATES PATENT OFFICE

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FUR TRIMMED FOOTWEAR

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Application August 14, 1941, Serial No. 406,748

2 Claims. (Cl. 36—7.3)

This invention relates to footwear having a fur trim at the top margin of the upper, and especially to footwear of the fur trimmed galosh or overshoe type.

Such footwear, as constructed heretofore, has been subject to one or more difficulties in the matter of attaching the fur strip. In some cases an objectionable ridge of the fur has been the source of soiling the hosiery of the wearer, this having been true especially in the case where the fur strip has been attached to the inside of the upper. In other cases attachment of the fur strip at the outside of the upper has resulted in an objectionable standing away of the trimmed strip from the upper with objectionable exposure of the top margin of the upper, or in some cases where expedients have been used to overcome this difficulty the attaching operation has been inconvenient or costly. Two lines of stitching have usually been required, necessitating a double hand operation.

The chief objects of this invention are to obviate the foregoing and other disadvantages of prior constructions, to provide an improved disposition of the fur strip such that while it conceals the margin effectively, it neither stands away from the upper objectionably, nor rubs against the hosiery of the wearer objectionably. To provide a construction wherein secure attachment may be effected by a single line of stitching, quickly applied, to provide for convenience of manufacture and economy of materials.

These and other objects will be apparent from the following description reference being had to the accompanying drawings, in which:

Fig. 1 is a cross-section of a strip of fur treated in accordance with the invention.

Fig. 2 is a cross-section of the fur strip of Fig. 1 folded and adhered in a folded condition in accordance with the invention.

Fig. 3 is a perspective view of a woman's overshoe constructed in accordance with and embodying the invention.

Fig. 4 is a section taken along the line 4—4 of Fig. 3.

Fig. 5 is a plan view of folding and stitching mechanism suitable for making a modified construction, constructed in accordance with and embodying the invention, the mechanism being shown in the operation of folding and stitching a fur strip onto a footwear upper.

Fig. 6 is a view taken along the line 6—6 of Fig. 5.

Fig. 7 is a section taken along the line 7—7 of Fig. 5.

Fig. 8 is a view like Fig. 7 but showing a further modified construction.

In accordance with the invention a strip of fur is first folded upon itself with the fur exposed, the pelt sides of the folded portions being then in face to face relation. The folded fur strip is then applied to the footwear at the outside of the upper near the top margin thereof and is secured to the upper preferably by a single line of stitching passing through both folded portions of the strip and into the upper in a manner to hold the folded strip tightly against the upper with the fur extending outwardly of the strip and upwardly past the top edge of the upper to hide the same. The folded portions of the fur strip may be adhered together by an adhesive between the folded portions, or otherwise preliminarily secured together in the folded condition, or the fur may be attached to the upper as it is folded and held in the folded condition by the stitching that holds it to the upper.

With reference first to the embodiment illustrated in Figs. 1 to 4, inclusive, a fur strip indicated at 10 first has a layer 11 of adhesive material applied to the pelt side of the fur, this coating of adhesive preferably being of a width only coincident with the extent of the intended fold. The strip is then folded as shown in Fig. 2 so that the adhesive surface of the pelt will be brought into contact and the adhesive will be completely hidden. Inasmuch as the remaining exposed portion of the pelt is free of adhesive, the likelihood of objectionable deposit of the adhesive on the fur is avoided.

The folded strip is now ready for application to the footwear upper and may be attached to the outside of the upper at the top margin thereof by a single line of stitching 12 extending through both folded portions of the strip and into and preferably through the upper wall. The latter may comprise a composite structure including an outer layer 13 of suitable material and an inner lining 14. The fur strip may be stitched entirely around the open portion of the upper as shown in Fig. 3, or only partially around the opening, as desired.

The top edge of the upper may be bound by suitable tape 15 held in place by stitching 16, although such binding is not necessary in all cases.

Owing to the folded form of the fur strip, it can be held in place against the upper by only a single line of stitching, which makes for economy of manufacture, and the folded condition of the strip greatly facilitates the manipulation of the strip and application thereof to the

upper. Also, this construction is found to be neat in appearance, the fur being capable of concealing the top edge of the upper while at the same time the hosiery of the wearer is effectively protected from the fur, and the fur maintains a suitable position and neat appearance. The use of the adhesive 11 in the fold of the fur serves to reinforce such fold, and to facilitate greatly the handling and stitching operation, and by applying the adhesive to the pelt over the limited width described, the adhesive material need not interfere with handling operations or affect the appearance of the fur.

Where it is not desired to use the adhesive in the fold of the fur, the fur strip may be folded and stitched at once to the upper in such folded condition, the operation being facilitated by means of related folding and stitching mechanism as shown in Figs. 5 and 6. A movable stitching guide 20 mounted upon a support 21, indicated in broken lines, is positioned to align a fur strip 10 with the top margin of an upper 13, 14 held against the guide and the folded margin of the fur strip likewise held against the guide so that the needle 24 of the sewing machine will pass through both folded portions of the fur strip and through the upper to secure the strip in the desired position.

Owing to the projecting fur on the trimming strip manual control of the same to arrange it in the desired folded condition and relationship to the margin of the upper is difficult. To the end of facilitating this operation we provide a folding horn 25 shaped to work the fur strip progressively from its flattened condition to the folded condition at the attaching needle. The folding horn 25 may be mounted upon the support 21 as by means of a bracket 26 secured to such support. After passage through the sewing machine the folded strip comes out secured to the margin of the upper by a single line of stitching 12. Owing to the alignment of the fold of the fur strip at the top edge of the upper, the latter is well concealed by the fur in a position well protecting the fur so that the taping of such top edge of the upper may be dispensed with if desired.

The fur strip may be folded upon itself with reliance upon the stiffness of the pelt for stability of the strip, or a reinforcing cord 28 or other device may be included in the fold as shown in the embodiment of Fig. 8. Also the expedient of an adhesive material between the portions of the fold may or may not be used as in the previously described embodiment, as desired.

Variations may be made without departing from the scope of the invention as it is defined in the following claims:

We claim:

1. An article of footwear comprising an upper terminating in a top margin, a fur strip folded upon itself with the fur-side out on both sides of and at the fold, said strip being positioned entirely on the outside of said upper at said top margin with the fold disposed upward, and a stiteching thread passing through both portions of the fold and into the upper and constituting the sole means for holding the portions of the fold together and for holding the strip against the upper.

2. An article of footwear comprising an upper terminating in a top margin, a fur strip folded upon itself with the fur-side out on both sides of and at the fold, said strip being positioned entirely on the outside of said upper at said top margin with the fold disposed upward, and a stitching thread passing through both portions of the fold and into the upper holding the strip compactly against the upper, a single line of said stitching thread passing through said fold constituting the sole means for holding the strip onto the upper.

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