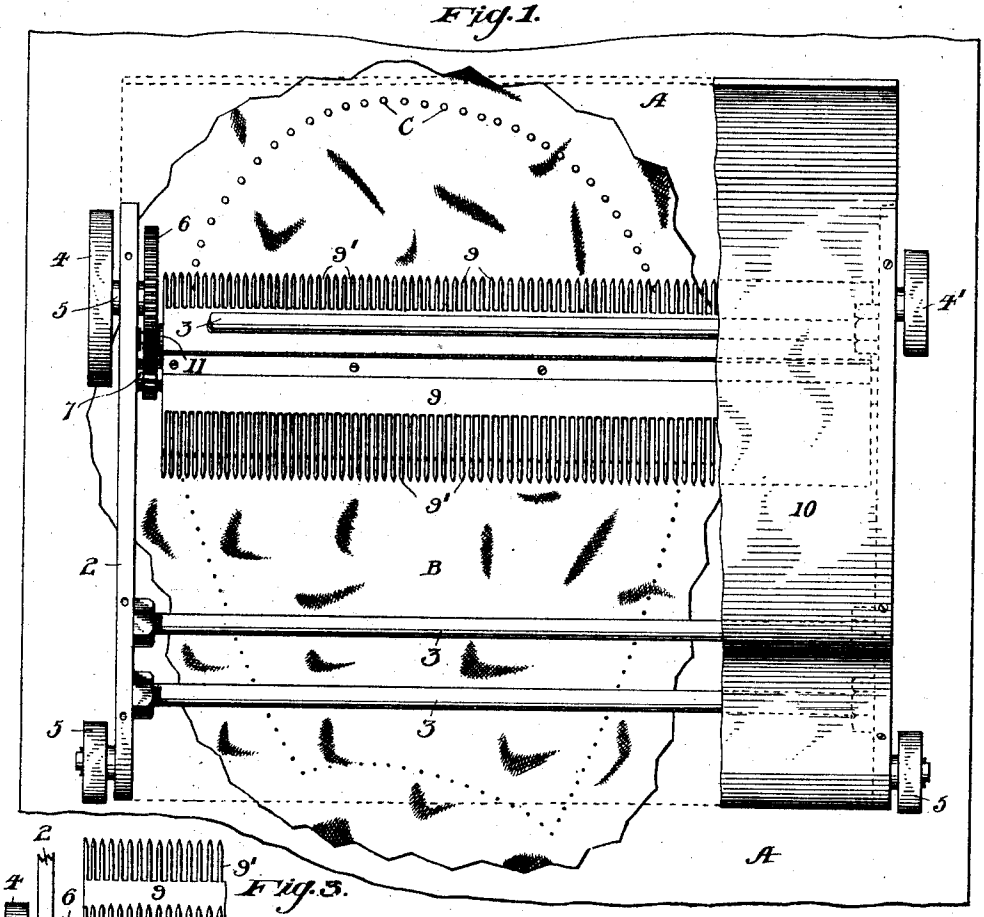
A. DIOSZEGHY.

FUR NAIL PICKING MACHINE.

APPLICATION FILED SEPT. 26, 1907.

901,697. Patented Oct. 20, 1908.

Fig. 1.



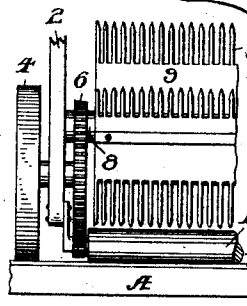


Fig. 3.

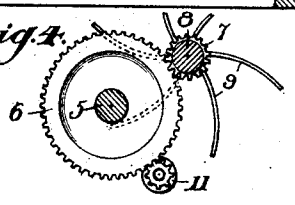
Fig. 2.

Witnesses:

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Fig. 4.



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UNITED STATES PATENT OFFICE.

ANTHONY DIOSZEGHY, OF ALLEGHENY, PENNSYLVANIA.

FUR-NAIL-PICKING MACHINE.

No. 901,697. Specification of Letters Patent. Patented Oct. 20, 1908.

Application filed September 26, 1907. Serial No. 394,682.

To all whom it may concern:

Be it known that I, ANTHONY DIOSZEGHY, a resident of Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Fur-Nail-Picking Machines, of which the following is a specification.

In the manufacture of fur garments and other fur articles the practice is to draw or mark on a board the outline of the scarf, sleeve, gore or other part to be cut and then stretch the fur skin upon the board so as to cover the pattern and nail the same thereto, the skin being wet or soaked with the water so as to more readily stretch. The nails, which are placed quite close together, are usually from an inch to an inch and a half in length and are simply tapped through the skin and into the board sufficiently to obtain a hold, the major portion of the nail projecting above the skin. After the skin thus nailed to the board has dried it retains the shape of the pattern to which it has been cut, and upon removing the same it is considerable of a task to withdraw the large number of nails. Care must be taken in this operation not to injure the skin, and as the nails used for this purpose are of special design it is desirable not to bend them so that they may be used repeatedly.

The purpose of the present invention is to provide a machine which may be passed over the nailed skin very rapidly, and which in its passage operates to withdraw all the nails without injury thereto or to the skin.

With this object in view, the invention consists in the novel features of the construction, and in the combination of parts, hereinafter fully described and claimed and illustrated by the accompanying drawings wherein—

Figure 1 is a top plan view of the machine with part of the casing broken away. Fig. 2 is a vertical cross-sectional view. Figs. 3 and 4 are detail views.

Referring to the drawings, A designates a board upon which the pattern is to be cut or drawn; B is the fur skin which is stretched thereon to cover the pattern, and C are the nails which secure the skin to the board, the same being arranged quite close together, often as close as a fourth or an eight of an inch, so that a large number is used. In applying the nails, they are tapped with the skin-stretching pincers or other tool only with sufficient force to so enter the board as to obtain the required hold, the major portions thereof projecting above the skin. The nails are specially made for this purpose, being pin-like in form with long sharp points. The skin is usually soaked in water as it stretches more readily when wet.

The machine forming the subject matter of this invention for withdrawing the nails after the skin has been cut to a pattern and dried is here shown consisting of two upright end members 2, which are spaced apart and secured by rods 3 to form a frame of rectangular shape. Journaled to ends 2 are the front wheels 4 and 4′, and rear wheels 5. These wheels hold the frame above the plane of the pattern board, and by means thereof the machine may be readily run over the latter and the skin nailed thereto. The peripheries of the several wheels are preferably milled or otherwise roughened so as to turn and not slide when the machine is being operated, and this is particularly true of the larger front wheel 4 which propels the nail-pulling mechanism.

The journal 5 of wheel 4 extends through end member 2 and carries gear wheel 6 which meshes with pinion 7 on the end of shaft 8, the latter extending transversely between heads 2 and journaled therein. Secured to this shaft are a number of transversely curved comb-like blades 9, having the teeth 9′ thereof arranged quite close together with only sufficient space between adjacent teeth to embrace the headed nails C as the machine is moved forward. And as the motion of the combs at the time of such engagement is upward, the pins are jerked out very rapidly by a substantially straight upward movement, the rotation of shaft 8 being at such speed as to accomplish the work very rapidly and at the same time throw the withdrawn nails clear of the combs, the hood or cover 10 preventing the nails from flying about. Also geared to wheel 6 is the transverse base roller 11 arranged beneath and preferably in advance of the comb-carrying shaft 8, said roller traveling forward on the skin and operating to hold the same depressed in close proximity to the nails as they are withdrawn, thus preventing any tendency of the skin to pull upward with the nails.

A hand-hold slot 12 may be formed adjacent the upper edge of each of end members 2, whereby the machine may be conveniently grasped by the operator and moved forward

over the pattern board, removing the large number of nails very rapidly and without injury thereto or to the skin.

I claim:—

1. In a fur nail picking machine, a portable frame open at the front to permit the front of the frame to pass over fur-holding nails projecting from the pattern board, and nail pulling means operative within the frame as the latter moves over the pattern board.

2. In a fur nail picking machine, a frame movable over a pattern board, and a series of successively acting nail-pulling combs rotatable in the frame on a horizontal axis.

3. In a fur nail picking machine, a portable frame movable over and adapted to bear upon a pattern board, and nail pulling means rotatable on a horizontal axis within the frame and spaced upwardly from the bottom thereof for pulling nails from the board as the frame is moved thereover.

4. In a fur nail picking machine, a portable frame movable over a pattern board, movable nail pulling means mounted within the frame, a rotating member carried by the frame and adapted to roll on the pattern board, and an operative connection between said member and the nail pulling means for actuating the latter.

5. In a fur nail picking machine, a portable frame movable over a pattern board, a horizontal shaft within the frame and spaced upwardly from the bottom thereof, nail engaging means carried by the shaft, and a rotating member adapted to roll on the pattern board for actuating the shaft.

6. In a fur nail picking machine, a frame, wheels thereon adapted to bear on a pattern board when moving the frame over the latter, movable nail-pulling means carried by the frame, and an operative connection between one of the board-engaging wheels and the pulling means for actuating the latter.

7. In a fur nail picking machine, the combination of a frame, wheels on the frame for traveling over the pattern board, a series of nail-pulling combs rotatably mounted in the frame, and a gear connection between one of said wheels and the combs for rotating the latter.

8. In a fur nail picking machine, a frame adapted to traverse a pattern board, nail pulling means carried by the frame, and a roller carried by the frame and adapted to bear upon the skin adjacent the nails being removed.

9. In a fur nail picking machine, a frame, a rotatable series of nail-pulling combs, and a roller carried by the frame beneath the series of combs for holding the skin depressed.

In testimony whereof I affix my signature in presence of two witnesses.

ANTHONY DIOSZEGHY.

Witnesses:

W. E. MARQUES,

R. A. GILLESPIE.