

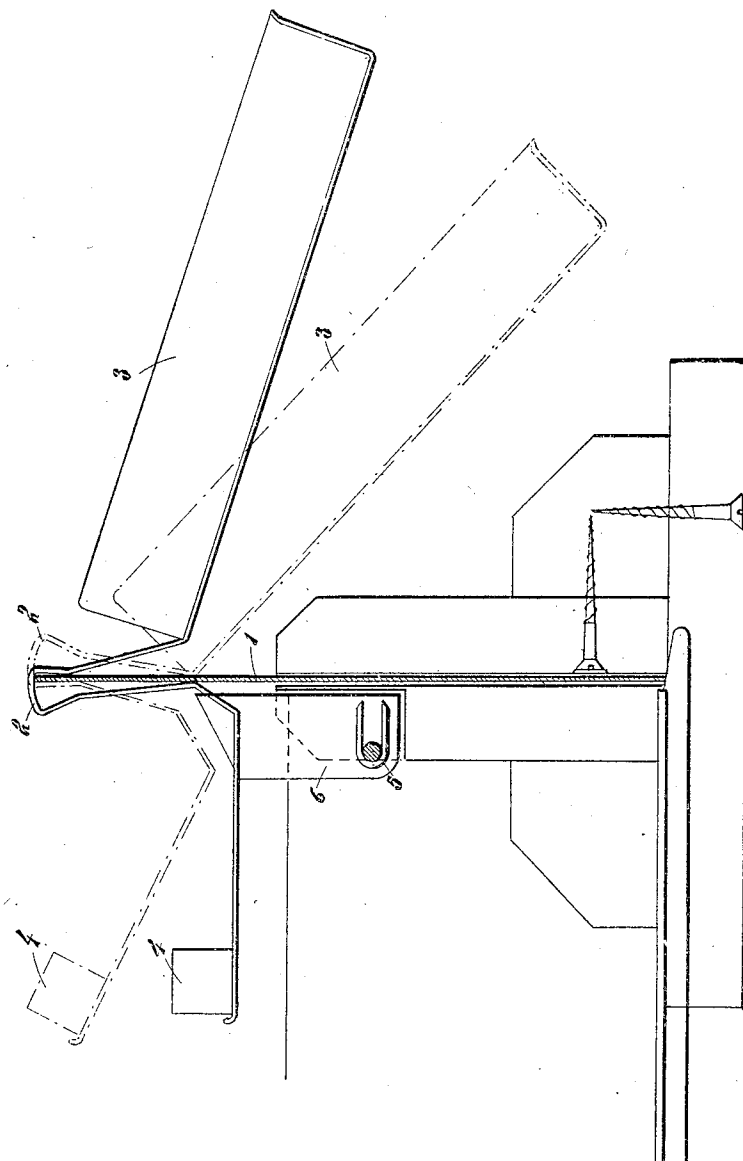
June 24, 1930.

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1,766,645

CONVEYER FOR SHOES AND THE LIKE

Filed June 21, 1928



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CONVEYER FOR SHOES AND THE LIKE

Application filed June 21, 1928, Serial No. 287,116, and in Sweden June 21, 1926.

This invention relates to a conveyer for shoes or other articles, which conveyer comprises a container intended for receiving the shoe and arranged on a conveyer belt, and a shoulder or stop arranged close by the conveyer belt, said container being arranged in such a way on the conveyer belt in relation to said shoulder, that the container, when loaded, can pass the shoulder, but when not loaded is blocked in its movement by the shoulder, without it being necessary to stop the movement of the conveyer belt.

The accompanying drawing represents a vertical section through a suitable embodiment of the invention, the device being intended to be used for conveying pieces of work, such as shoes for instance, between different working machines.

In the embodiment shown a suitable number of forks 2, only one of which is shown in the drawing, are arranged on a conveyer belt 1. Each of said forks is provided, on one of its branches with a container 3, intended to receive the piece of work and, on its other branch, with a counter balance 4. Said counter balance 4 is balanced in such a way, that the fork 2 when the container is not loaded, holds the position shown by full lines in the drawing, but when the holder is loaded holds the position shown by dash-dot lines in the drawing.

At each working machine, adjacent which the conveyer belt passes, a shoulder or stop 6 is pivotally mounted on a shaft 5. Each such shoulder is placed in such a way in relation to the conveyer belt, that the forks, arranged on the conveyer belt, when holding the position shown by full lines in the drawing, hit said shoulder and are blocked against further movement without it being necessary to stop the movement of the conveyer belt. On the other hand, when holding the position shown by dash-dot lines in the drawing, the forks pass freely past said shoulder and follow the conveyer belt in its movement.

When the workman attending to a working machine, takes a piece of work out of a container 3, the unloaded holder is blocked against the shoulder on account of the al-

tered position of the fork on the conveyer belt, and said holder thereafter blocks each succeeding container as the conveyer belt brings it up to the same point. When the work piece has again been placed in the container and the fork has regained the position it held on the conveyer belt before the unloading, said container and the succeeding containers, if loaded, continue their movement, until the manoeuvre, described above, is repeated. If for any reason containers which are unloaded need to pass any working machine, the shoulder 6 at the machine in question is lowered so that the branches of the forks 2 can not hit it. By a reversal of the embodiment described above, the shoulders 6 may of course be arranged in such a way that the containers, when loaded, are blocked by them but when unloaded may pass.

Many different embodiments are possible within the scope of the invention, without deviating from the principle of it.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:

A conveyer of the character described comprising, a conveyer belt, a shoulder or stop adjacent said belt, and a work supporting member including a fork-like portion, said member being adapted to be supported in a plurality of positions upon said belt, a container on one branch of the fork-like portion, and a counter balance on the other branch of said portion, whereby the member will rest in one position when the container contains a piece of work, and in another position when the container is empty.

In witness whereof, I have hereunto signed my name.

KARL ALBIN ABRAHAM JOHANSSON.