

Abstract**Reprofiling device for the rails of railroads that captures waste**

The present invention refers to a device for the continuous reprofiling of the
5 rails of railroads including at least one abrasive rail reprofiling unit (2) guided along
the railroad tracks and comprising at least one abrasive disk (3) that can be
pressed against a rail (1). This device notably includes at least one abrasive-waste
pickup (20) comprising at least one segment forming a collection port (21). This
segment is placed in the immediate vicinity of at least one abrasive disk (3) and
10 into the geometric axis (41) of the major waste jet (40) produced during operation
of this abrasive disk (3). Said segment (21) simultaneously cooperates with means
for transporting the waste. Moreover, each waste pickup (20) comprises means for
reflecting and absorbing the kinetic and thermal energy that allow the formation of
agglomerations of matter on said pickup to be avoided.

(Figure 3)



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