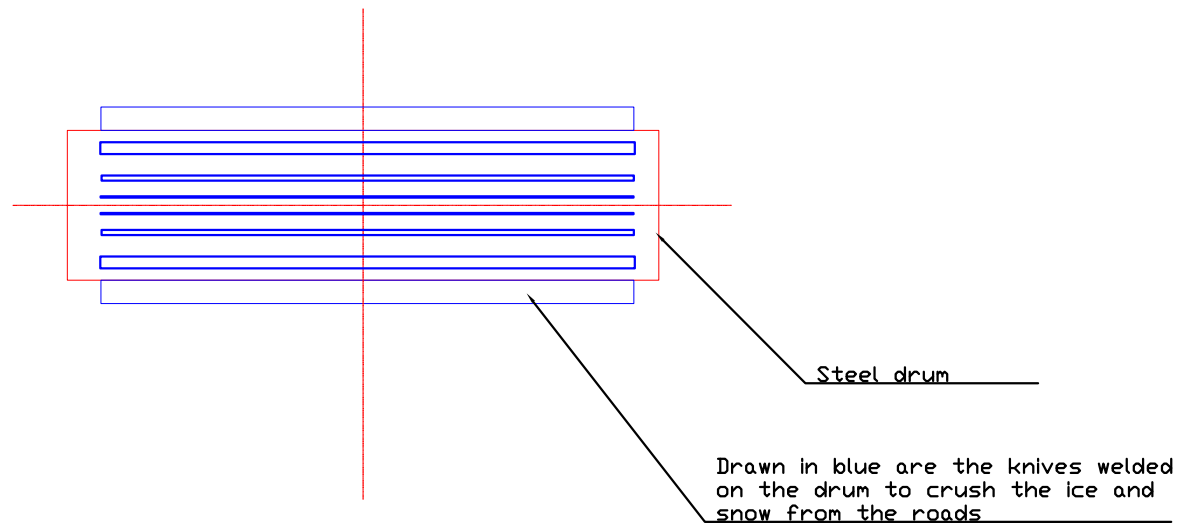
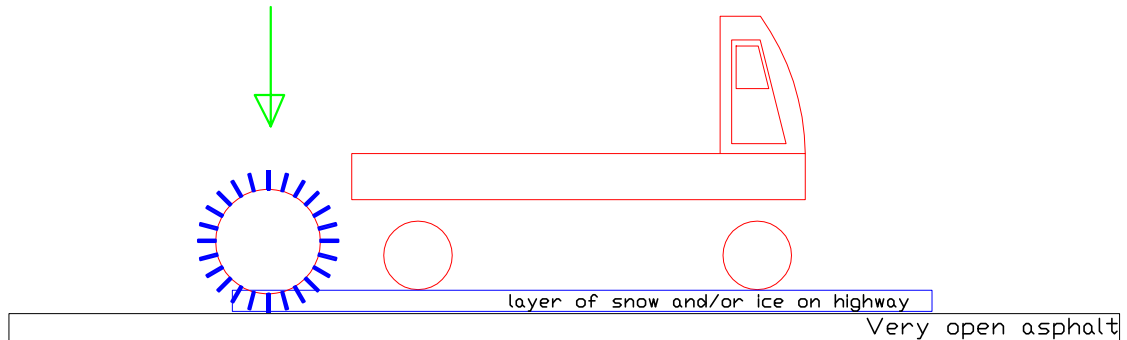


Waltz with sharp ridges (knives) to cut away crushed snow from highways



Pressing force at the ends of the drum



The Waltz with ridges or knives is thought of as an alternative for the power consuming dryer based on a jet engine which Heijmans used to de ice a frozen road. This de icing tool is wasting a lot of energy (heat) due to the fact that the hot air exhausted hitting the road will try to rise quickly due to very cold temperatures. You want to keep the hot air near the road. Just by adding a small vehicle on wheels that keeps the exhausted heat near the road this system can be 3 times more effective.

The Waltz can be used to crush the ice on the road. 2 sensors measure the distance to the road so the knives will not contact the asphalt. Due to the fact that all the snow or ice filled all the holes of the very open asphalt the damage to the road will be a minimum. After the ice is crushed a car with snowplow can move the ice to the side of the road.

The snowcrusher will use only 10% of the power needed for the dryer based on a jet engine. Also the working speed is much higher so the road can be open for traffic much sooner.

