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SUBJECT OF THE INVENTION

Fixed railway frog wheel drive district wing rail buffer structure

[0001] Technical field

[0002] The present invention relates to a kind of by improving heart rail and wing rail top surface structure, strengthen train and cross fork ride comfort, improve the stress of heart rail and wing rail, thus improve the fixed railway frog wheel drive district wing rail buffer structure in the application life of railway frog further, belong to fixed railway frog wheel drive district wing rail buffer structure and manufacture field.

[0003] Background technology

[0004] CN203021879U, title " fixed railway frog ", comprise the wing rail (20) that heart rail (10) and correspondence are arranged on described heart rail (10) both sides, described heart rail (10) comprises heart rail operate portions, the width of described heart rail operate portions reduces gradually towards the track switch place of described fixed railway frog, it is characterized in that, described heart rail operate portions comprises main part and those widened sections, described those widened sections be arranged on be positioned at track switch place described main part on, described those widened sections is positioned at the outside of described main part extension line near described wing rail (20), described those widened sections and described main part are structure as a whole, and described those widened sections forms heart rail working edge (11) towards the side of described wing rail (20). This patent relates to a kind of fixed central body of frog widening structure, strengthens heart rail bearing capacity.

[0005] CN201567509U, title " alloy steel rail wing ", the two sides of the gripper shoe (3) between rail hat (1) of this rail wing (4) and sole (2) are inner concavity, two indent sides be arc-shaped curved surface or its in the middle part of for straight plane two ends be arc-shaped curved surface, minimum thickness value (d) of the cross section of its gripper shoe (3) is 20 ~ 60mm, and its material is austenite-bainite steel. Relate to a kind of alloy steel rail wing structure, reinforced for standard rail section, to improve the strength and stiffness of wing rail.

[0006] CN2895505Y, title " inlaid-alloy type wing rail ", the standard rail (1) that it is excised by working edge side railhead part and the alloy steel insert (2) being embedded in this working edge side