

within the limits of movement of the supplemental wheels to maintain a constant distance between the centers of the supplemental wheels and the driving wheels adjacent to the point of connection between the connecting rod of any given supplementary wheel and the driving wheel near which said connecting rod is connected to the side rod.

18. A locomotive provided at each side with an ordinary driving wheel; a journal box for the said driving wheel; a spring supporting the locomotive from said journal box; a supplemental wheel; a journal box for the axle of the said supplemental wheel; guides for the journal box of the axle of the supplemental wheel in which said box is vertically and longitudinally movable; a link connection between the journal boxes of the two wheels; and means connected with the frame of the locomotive and with the spring

for raising and lowering the journal box of the supplemental wheel.

19. A locomotive provided at each side with ordinary driving wheels; springs therefor; supplemental wheels; vertical movable boxes in which the axles of said supplemental wheels are journaled; an equalizer system connected with the springs and with the frame of the engine; a longitudinally movable bar; toggle levers each pivotally connected with the equalizer system and with one of the boxes; an arm extending from each toggle; and a link pivotally connecting each arm with the longitudinal bar.

Toronto, Ont., 8th June, 1907.

GEORGE A. BOTHWELL.

Signed in the presence of  
D. S. TOVELL,  
J. EDW. MAYBEE.