

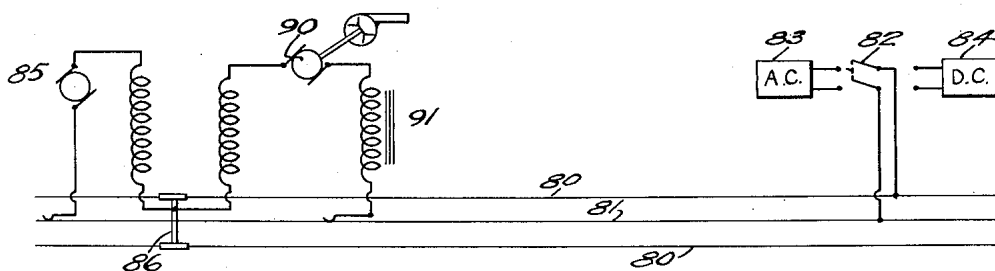
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SIGNAL

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1 Claim. (Cl. 246—219)

The present invention relates to toy railroads, and is more particularly directed toward a toy railroad having a vehicle provided with a propulsion motor which can operate on either direct or alternating current, and a sound producing signal operable by a second motor which will run on only one form of current, so that whenever the track is energized with either alternating or direct current the propulsion motor may be operated, while the motor for the sound producing signal can be operated only when the proper form of current is supplied.

The single figure in the accompanying drawing shows a circuit arrangement suitable for carrying out the foregoing.

In the drawing the track rails 80 and third rail 81 are connected to a switch 82 adapted to be connected with an alternating current source 83 or a direct current source 84, so that alternating or direct current of sufficient voltage and current capacity for train operation may be supplied to the track. The propulsion motor 85 is the usual propulsion motor used on toy railroads and is connected to the third rail 81 and the track rails 80 in the usual way. A blower motor, indicated at 90, is provided with a high impedance choking coil

91 in series with it, or the field of this motor is made of high impedance so that insufficient alternating current will flow through the circuit of the motor 90 for operating the same. The sound producing signal operated by the motor 90 will therefore be idle on alternating current operation, but will operate when direct current is applied to the track.

What is claimed is:

In combination, a toy railroad having rails, a toy vehicle having a propulsion motor wound for operation by either direct current or by alternating current and connected to current collectors bearing on the rails, means to supply to the rails electric current of either direct or alternating current effective for operating the propulsion motor, a second vehicle carried motor connected to the current collectors and operable by one of said forms of current only so that the propulsion motor can be operated concurrently with the second motor or while the second motor is idle by changing from one form of current to the other, and a sound producing signal operable from the second motor concurrently with the operation of the propulsion motor.

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