June 2, 1931. C. F. STONE 1,807,803

TOY RAILROAD TRACK EMBANKMENT

Filed Jan. 18, 1930

Fig. 1.

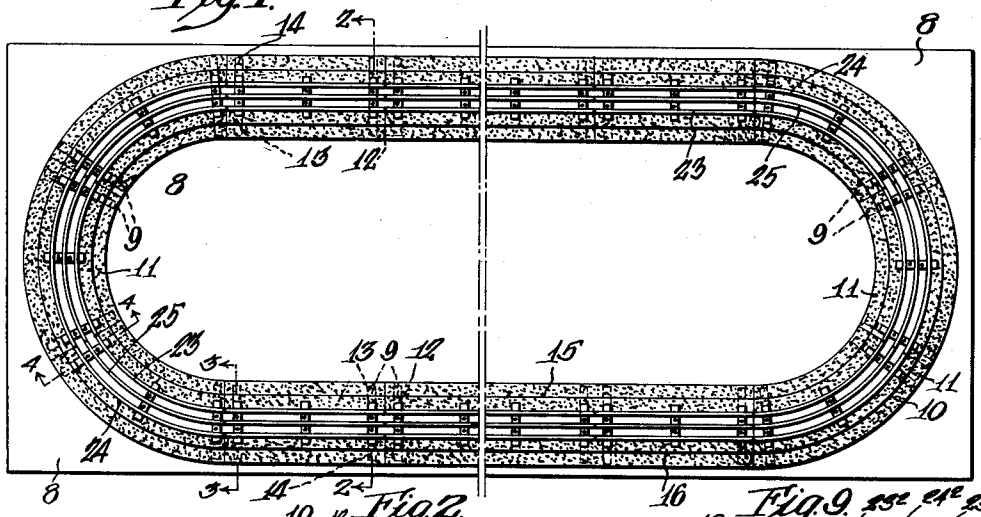


Fig. 2.



Fig. 9.

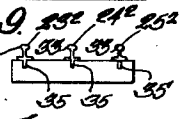


Fig. 5.

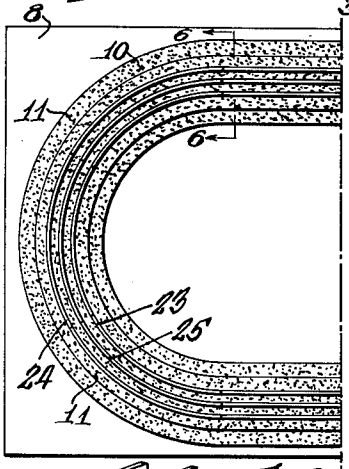


Fig. 3.

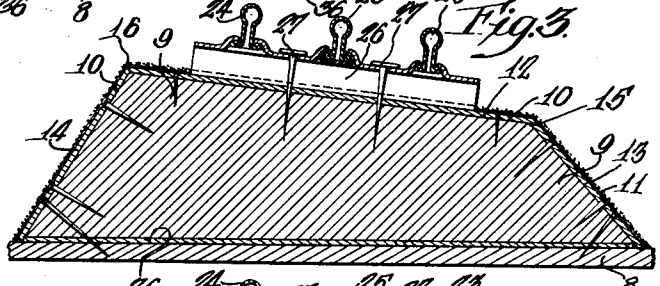


Fig. 4.

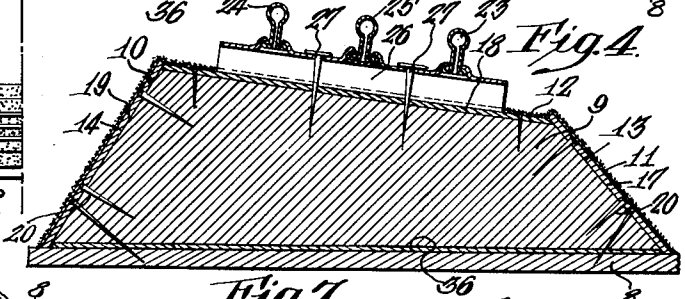


Fig. 8.

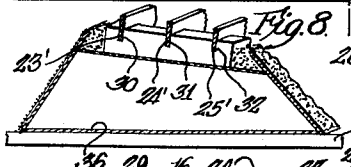
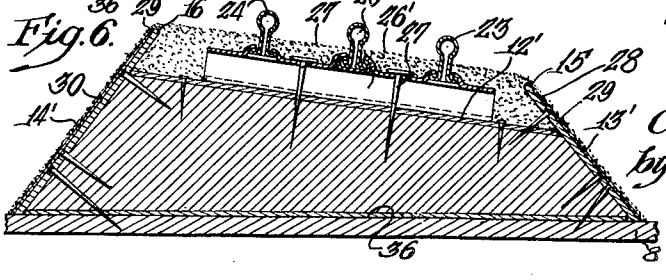


Fig. 7.



Fig. 6.



Inventor.
Charles F. Stone.
by W. Stull Jackson
Attorney.

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UNITED STATES PATENT OFFICE

CHARLES F. STONE, OF UPPER DARBY, PENNSYLVANIA

TOY RAILROAD TRACK EMBANKMENT

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My invention relates to toy railroad tracks and to the construction of the toy road-bed and tracks thereof, either or both.

A purpose of my invention is to provide a toy raised road-bed for a toy track that will simulate the appearance of the embankment and road-bed of a standard railroad track.

A further purpose is to provide a novel toy road-bed for tracks of the character indicated having curve elevation of the outer rail, along straight portions and curves of the track, either or both.

A further purpose is to make a toy railroad track bed of spaced form blocks covered with cardboard and to give the cardboard bed a surface coating as of glue and particles of stone, earth or the like in order that the toy bed may better simulate the appearance of the road-bed of a standard railroad track.

A further purpose is to continue the elevation of the outer rail of a curved portion of a toy road-bed for a short distance along a straight portion of the track, optionally using the same or similar shaped form blocks throughout when the lengths of curved and straight portions are short or progressively reducing the greater elevation of the outer rail to zero with increasing distance from the curve when the straight portions are long.

A further purpose is to cover form blocks spaced along straight portions of a toy raised road-bed with pieces of cardboard each of which covers the sloping sides and top of any desired length of the straight track bed and to fasten the cover to the spaced blocks by suitable tacks.

A further purpose is to cover the form blocks spaced along the curved portions of a toy raised road-bed with cardboard sections over the opposite sides and the top of the bed.

A further purpose is to provide a novel and desirable form of toy track sections adapted to use with or without the toy road-bed disclosed herein.

A further purpose is to provide a novel form of toy road-bed that is well adapted to the toy track sections hitherto on the market or to the new toy track sections disclosed herein.

Further purposes will appear in the specification and in the claims.

I have elected to show one main form only of my invention with a minor modification, selecting a form and a modification thereof that are practical and efficient in operation and which well illustrate the principles involved.

Figure 1 is a top plan view showing a desirable embodiment of my invention.

Figure 2 is a section taken upon the line 2—2 of Figure 1.

Figures 3 and 4 are sections to enlarged scale on the lines 3—3 and 4—4 respectively of Figure 1.

Figure 5 is a fragmentary top plan view showing a modified form, simulating a different type of road-bed from that of Figures 1 to 4.

Figure 6 is a section to enlarged scale taken upon the line 6—6 of Figure 5.

Figure 7 is an enlarged detail fragment, showing structure of the toy road-bed surface.

Figure 8 is a perspective view to reduced scale, generally similar to Figure 6 but showing a different form of track section from that shown in Figure 6.

Figure 9 is a transverse section illustrating a different and desirable novel form of track.

Like numerals refer to like parts in all figures.

My novel toy raised bed is shown as comprising a base board 8, transverse form blocks 9 fastened on to the base and spaced along the desired path of the track, a cardboard cover 10 over the transversely alined form blocks and a surfacing 11 over the cardboard to simulate the appearance of a standard railroad embankment.

I show the form blocks all alike, showing the top 12 of each block provided with a considerable degree of inclination or tilt from horizontal and with inner and outer sides 13 and 14 with abrupt sloping descents to the base, in that I may make the form blocks for use at the straight portions of the

track interchangeable with those for use at the track curves where the straight portions are short.

It will be understood however that where the straight sections intermediate the curves are long I prefer to progessively decrease the greater elevation of the outer rail to zero with a progressively increasing distance from the curves providing intermediate flat straight track sections of any desired length, and that curves are also desirably progressively elevated from the straight track to the middle of the curve.

The greater elevation of one rail as compared to the other whether on straight or curved portions of the track is obviously a matter of individual preference and I may vary the inward slope of the blocks to accord with different individual tastes.

Along the straight portions of the track I cover the transversely alined blocks with cardboard covers, each of which may preferably have the length of the straight track and a total width adapting it to cover the top and sides of the successive blocks, the card being desirably scored longitudinally at 15 and 16 so as to bend sharply down from the top to the opposite sides of the road-bed.

Around the curves of the track the cardboard cover should be made in three pieces 17, 18 and 19 respectively for the top and the opposite sides of the bed, each piece permissibly extending for the full length or any portion of the length of the curve and being tacked to the blocks as indicated at 20 in Figure 4.

I apply adhesive such as glue 21 (Figure 7) to the outside surface of the cardboard 10 and suitable surfacing material 22 over and in the glue to simulate the appearance of a standard railroad embankment.

The surfacing material may desirably comprise particles of broken stone, sand etc. over the top of the road-bed with optionally a different character of material over the sides of the bed, for example earthy material with or without matter adapted to simulate vegetation.

The track sections may comprise one or other of my novel forms of sections shown in Figures 8 and 9 or they may be of any suitable or commercial type, as that illustrated in Figures 2, 3 and 4, in which the outer train rails 23 and 24 and the third rail 25 are mounted upon ties 26.

I place the track sections along the top of the cardboard cover nailing or screwing them to place at 27 through the cardboard to the blocks finding it however usually unnecessary to nail the track tie sections to every block.

I may sometimes make the toy track simulate the appearance of a track having buried ties (Figures 5 and 6) and as best seen in Figure 6 I then make the top and side cardboard pieces 12′, 13′ and 14′ individually separate, and extend the side pieces upwardly at 28 and 29 to some little distance higher than the tops of the ties 26′.

I then fill in the space between the side members 28 and 29 with any desired topping—broken stone, sand or the like—to a depth sufficient to cover the ties 26′ and preferably also the rail flanges.

I may widely vary the form of track sections used, and for this reason intend the track sections shown in Figures 1 to 5 to be a conventional showing for any track sections adapted to use in the intended way.

One feature of my invention however includes a specific form of track section, that illustrated in Figures 8 and 9.

In Figure 8 the ties may desirably comprise spaced strips of wood, saw-cut at 30, 31 and 32 to receive downwardly projecting strip portions of the rails 23′, 24′ and 25′.

In Figure 8 the rails are shown as metal strips of uniform thickness, the strips being pushed laterally downward into the spaced cuts in the tops of the ties.

Optionally the rail sections may be given a sectional contour to simulate the section of a standard railroad rail and in Figure 9 I have provided rails 23^2, 24^2 and 25^2 with a portion 33 simulating the section of standard railroad rails and a lower downwardly extending flange 35 to be inserted into the upwardly presented saw-cuts of the ties.

I preferably provide a strip of carboard 36 on the base board across the bottoms of the spaced blocks.

This cardboard appears to be quite desirable in that it marks out the location of the track and also assists in the holding of the blocks of the toy embankment to place.

In view of my invention and disclosure variations and modifications to meet individual whim or particular need will doubtless become evident to others skilled in the art, to obtain all or part of the benefits of my invention without copying the structure shown, and I, therefore, claim all such in so far as they fall within the resonable spirit and scope of my invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a toy track of the character indicated, spaced transversely alined form blocks, a cardboard cover thereon, a crushed stone coating on the cover simulating the surface of a real raised road-bed, and toy track sections mounted upon the cover.

2. In a toy track of the character indicated, spaced transversely alined form blocks, a cardboard cover thereon, a coating on the cover simulating ballast, and toy track sections mounted upon the cover, the coating appearing between the ties and comprising glue and crushed stone particles.

3. In a toy track of the character indicated, spaced transversely alined form blocks, a cardboard cover thereon, a coating on the cover simulating the surface of a real raised road-bed, and toy track sections mounted upon the cover, the coating comprising glue and broken stone or the like over the top and glue and earthy matter over the sides.

4. In a toy railroad track of the character indicated, transversely alined spaced blocks, cardboard over the tops of the blocks, sections of toy track comprising train rails and ties thereunder fastened to the blocks through the cardboard, side cardboards over the sides of the blocks projecting upwardly beyond the tops thereof, and a topping material over the top cardboard between the upward projections of the side cardboards and over the ties, simulating the top surface of a standard railroad track embankment.

5. In a toy railroad track of the character indicated, transversely alined spaced blocks, cardboard over the tops of the blocks, sections of toy track comprising train rails and ties thereunder fastened to the blocks through the cardboard, side cardboards over the sides of the blocks projecting upwardly beyond the tops thereof, a topping material over the top cardboard between the upward projections of the side cardboards and over the ties simulating the top surface of a standard railroad track embankment and a glue and broken stone surfacing over the outside of the side cardboards simulating the surface of the embankment of a standard railroad.

6. In a toy railroad, a simulated ballast material comprising crushed stone and glue.

CHARLES F. STONE.