Nov. 11, 1924. 1,515,154

A. R. FERGUSSON

TOY RAILWAY STARTER CLOCK

Filed Sept. 29, 1923

Fig. 1.

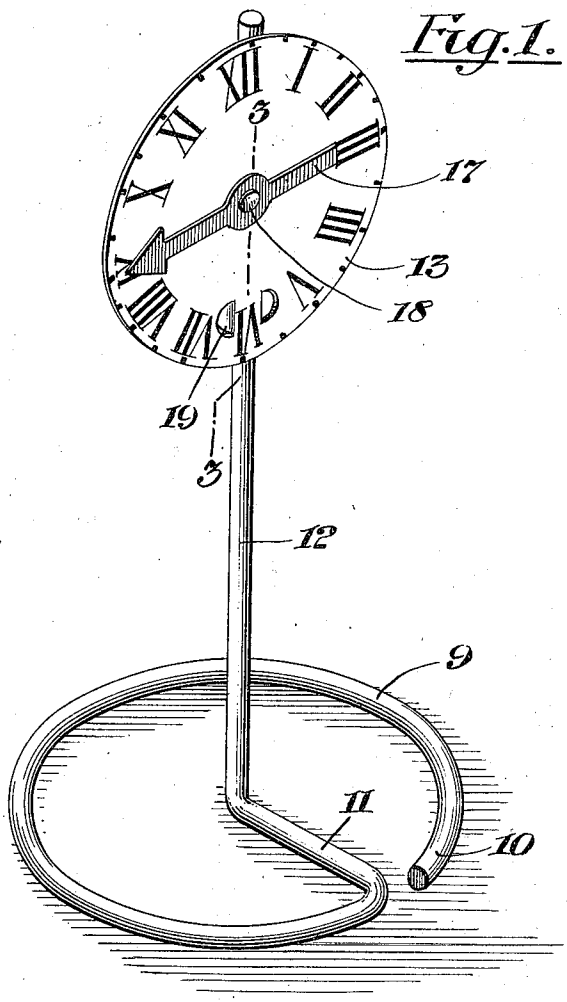


Fig. 3.

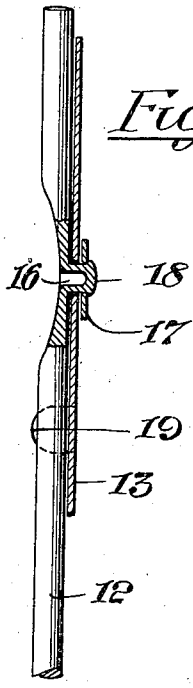
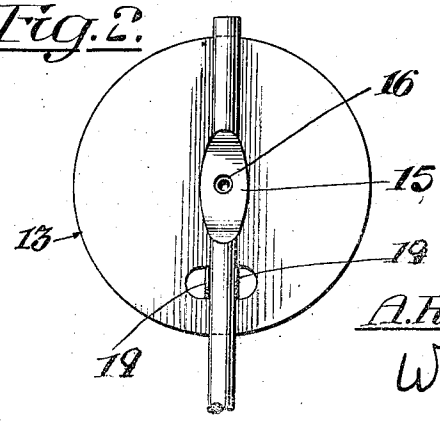


Fig. 2.



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UNITED STATES PATENT OFFICE.

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TOY RAILWAY STARTER CLOCK.

Application filed September 29, 1923. Serial No. 665,559.

To all whom it may concern:

Be it known that I, ALAN R. FERGUSSON, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Toy Railway Starter Clocks, of which the following is a specification.

This invention relates to toy devices or accessories for toy railways, and more particularly to a miniature toy railway starter clock, an object of the invention being to provide a toy device or toy railway accessory which may be readily and easily manufactured at a minimum of expense, and which at the same time will be relatively strong and durable in use.

A further object of the invention is to provide a toy accessory for toy railways, wherein the support includes a wire formed upright, and wherein a member or a signal device, such as a clock dial and pointer hand, is secured to the wire upright in an efficient and improved manner.

A further object of the invention is to provide a toy railway starter clock comprising a wire formed support and wherein a clock dial is secured to a wire upright member of the support and a rotatable pointer hand is also carried thereby.

A further object of this invention is to provide a toy railway starter clock having a base formed from a single length of wire which is bent to form a single vertically extending wire member, and wherein a dial and pointer hand are fastened to said wire member.

A further object of this invention is to provide a toy railway accessory having a vertical wire upright provided with a projecting portion drawn or formed from the metal of the wire, and wherein a member or a signal device, such as a clock dial and pointer hand, is mounted upon said projecting portion and held thereon.

A further object of this invention is to provide a toy device or accessory for toy railways having a wire formed upright member and wherein a movable arm or member is directly supported by said wire upright in an improved and efficient manner.

Other objects of this invention will appear in the following described and appended claims, reference being had to the accompanying drawings forming a part of this specification, wherein like reference characters indicate corresponding parts in the several views and wherein Fig. 1 is a perspective view illustrating an embodiment of my invention; Fig. 2 is a fragmentary rear view illustrating the upper part of the device; and Fig. 3 is an enlarged fragmentary side elevation partly in section illustrating the upper part of the device.

Before explaining in detail the present improvement and mode of operation thereof, I desire to have it understood that the invention is not limited to the details of construction and arrangement of parts which are illustrated in the accompanying drawings, since the invention is capable of other embodiments, and that the phraseology which I employ is for the purpose of description and not of limitation.

In the drawings, I have illustrated a present preferred embodiment of my invention as applied to a toy starter clock adapted to be used by a child as an accessory for toy railways. The device preferably comprises supporting means bent up or formed from a single length of wire, and as illustrated in Fig. 1 in the present instance, the supporting base is formed by a single coil 9. The coil 9 is located in a horizontal plane and has the free end 10 thereof terminating adjacent to the opposite end of the coil which is bent inwardly to form a radial extending horizontal portion 11, the latter being bent up substantially midway of the coil to form a single vertically extending wire supporting member 12. From this construction it will be seen that a relatively simple but efficient wire supporting means is provided, preferably comprising a single horizontal wire coil having a horizontal inwardly extending radial portion and a single vertically extending wire upright, all thereof bent up or formed from a single length of wire.

Adjacent to the upper free end of the wire upright member 12, the latter is flattened at 15 to provide an extended flat portion of greater width than the diameter of the wire, so as to form a bearing surface for a suitable clock dial 13. The latter is preferably stamped out of a piece of sheet metal into circular form, one face of which is provided with numerals designating the hours. Centrally of the flattened portion 15 and by any suitable mechanism the metal of the wire is forced or drawn outwardly to provide a transverse or lateral projecting por-

tion or stud 16. The clock dial 13 is provided centrally thereof with a suitable hole adapted to receive the stud or projection 16, the dial being placed over this projection and supported thereby. A pointer hand 17 is also provided with a hole or perforation adapted to fit over the stud or projection 16 of the wire upright, whereupon the dial and pointer hand are securely held on the part 16 against removal by upsetting the outer end 18 of the projection 16, thus interlocking the parts together.

The projecting portion 16 formed from the metal of the wire is preferably formed with a cylindrical bearing surface, so as to permit the pointer hand 17 to be rotated thereon so as to indicate different hours on the clock dial. The latter is held in fixed position against rotation by means of interlocking lugs or clips 19, which are struck or punched from the metal of the clock dial 13, so as to embrace the opposite sides of the wire upright member 12.

From the foregoing it will be seen that I have provided a toy railway accessory which is not only constructed in a strong and efficient manner, but which also may be constructed at a minimum cost. Moreover an improved and advantageous means is provided for supporting the signal device upon the wire upright member 12. By forming the bearing lug or projection 16 from the metal of the wire it will be observed that the clock dial and pointer arm may be supported directly by the wire upright without necessitating the use of separate fastening devices, thus effecting in addition a material saving in the cost of manufacturing.

It is to be understood that by describing in detail herein any particular form, structure or arrangement, it is not intended to limit the invention beyond the terms of the several claims or the requirements of the prior art.

Having thus explained the nature of my said invention and described a way of constructing and using the same, although without attempting to set forth all of the forms in which it may be made, or all of the modes of its use, I claim:

1. A toy railway accessory comprising a base, a wire upright member carried thereby, and a signal member, one of said members having an integral laterally projecting stud formed therefrom for the reception of the other member.

2. A toy railway accessory comprising a base, a wire upright member carried thereby, and a signal member, one of said members having a flattened portion and a laterally projecting stud formed therefrom for the reception of the other member.

3. A toy railway accessory comprising a base, a wire upright member carried thereby and having a laterally projecting stud formed from the metal of the wire, and a signal member secured thereto.

4. A toy device comprising a base and a wire upright member carried thereby, said upright having a projecting portion formed from the metal of the wire, and a movable member rotatably connected thereto.

5. A toy device comprising a base and a wire upright member carried thereby, said upright having a projecting portion formed from the metal of the wire, and a dial and a movable pointer connected thereto.

6. A toy railway accessory comprising a base, a wire upright member carried thereby, and a pair of signal members, one of the three members having a laterally projecting stud formed from the metal thereof for the reception of the other two members.

7. A toy railway accessory comprising a base, a wire upright member carried thereby, and a fixed and a movable signal member, one of the three members having a laterally projecting stud formed from the metal thereof for the reception of the other two members, said signal members being mounted one in front of the other.

8. A toy railway accessory comprising a wire base, a wire upright member carried thereby and formed from a single length of wire and having a laterally projecting stud drawn from said wire upright member, a clock dial secured to said stud, and a movable pointer hand also secured to said stud in front of said dial.

9. A toy railway accessory comprising a wire formed base and a wire upright member carried thereby and bent up from a single length of wire, said wire upright member having a flattened portion and a laterally projecting stud formed therefrom, a dial and a pointer hand connected to said stud, and laterally projecting integral clips carried by the dial for interlocking said dial and upright member.

10. A toy railway accessory comprising a wire formed base and a wire upright member carried thereby and bent from a single length of wire, a dial, a pointer hand connected to said wire upright member, and a pair of means one formed from the wire upright member and the other from the dial for securing said dial and wire upright member, one of said means forming a support for the pointer hand.

11. A toy railway accessory comprising a wire formed base and a wire upright carried thereby and bent up from a single length of wire, a dial and a pointer hand connected to said wire upright, and a pair of means for interlocking said dial and wire upright, one of said means forming a support for said pointer hand and formed from the metal of said wire upright.

12. A toy railway accessory having a base

comprising a single coil of wire bent to form a single vertically extending wire member having a flattened portion provided with a laterally projecting stud formed therefrom, and a dial fastened to said stud.

13. A toy railway accessory having a base comprising a single coil of wire bent to form a single vertically extending member having a flattened portion provided with a laterally projecting stud formed therefrom, a dial and a rotatable pointer secured to said stud.

14. A toy railway accessory having a base comprising a single coil of wire bent to form a single vertically extending member having a flattened portion provided with a laterally projecting stud formed therefrom, a dial and a rotatable pointer secured to said stud, said dial having a pair of laterally extending clips embracing the vertical wire member.

15. In a toy railway accessory, a wire supporting means comprising a wire formed base provided with a radially disposed wire member bent to form a single vertically extending wire member, a signal member, said signal member and vertical wire member having one projecting means formed from the metal thereof for connecting the members together.

16. In a toy railway accessory, a wire supporting means comprising a wire formed base provided with a radially disposed wire member bent to form a single vertical extending wire member, a signal member, said signal member and vertical wire member having each projecting means formed from the metal thereof for connecting the members together.

17. A toy railway accessory comprising a base having a wire upright member provided with a laterally projecting stud formed therefrom, a clock dial mounted on said stud, a rotatable pointer also mounted on said stud, and means for holding the dial against rotation.

Signed at Buffalo, New York, this 27th day of September, 1923.

ALAN R. FERGUSSON.