

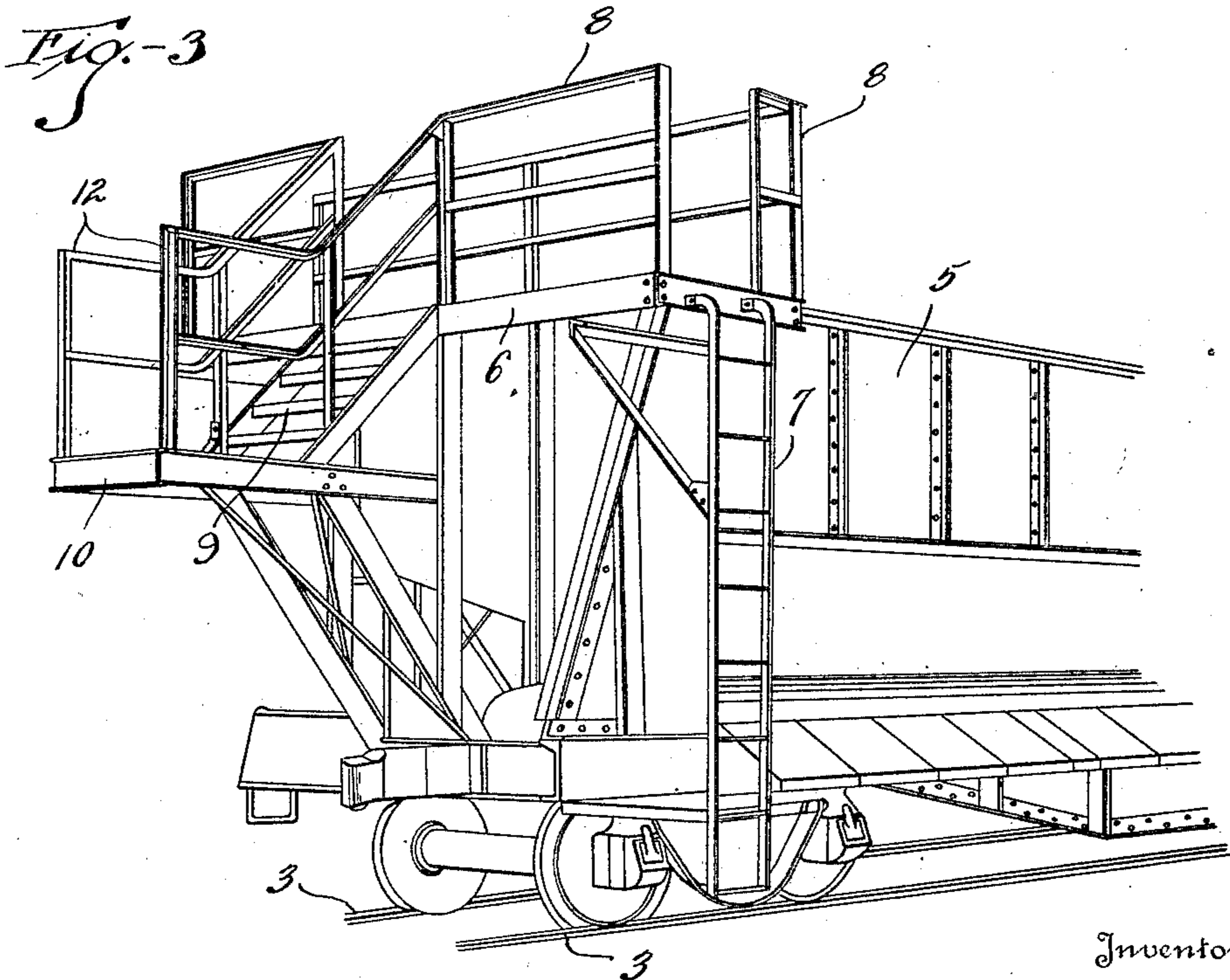
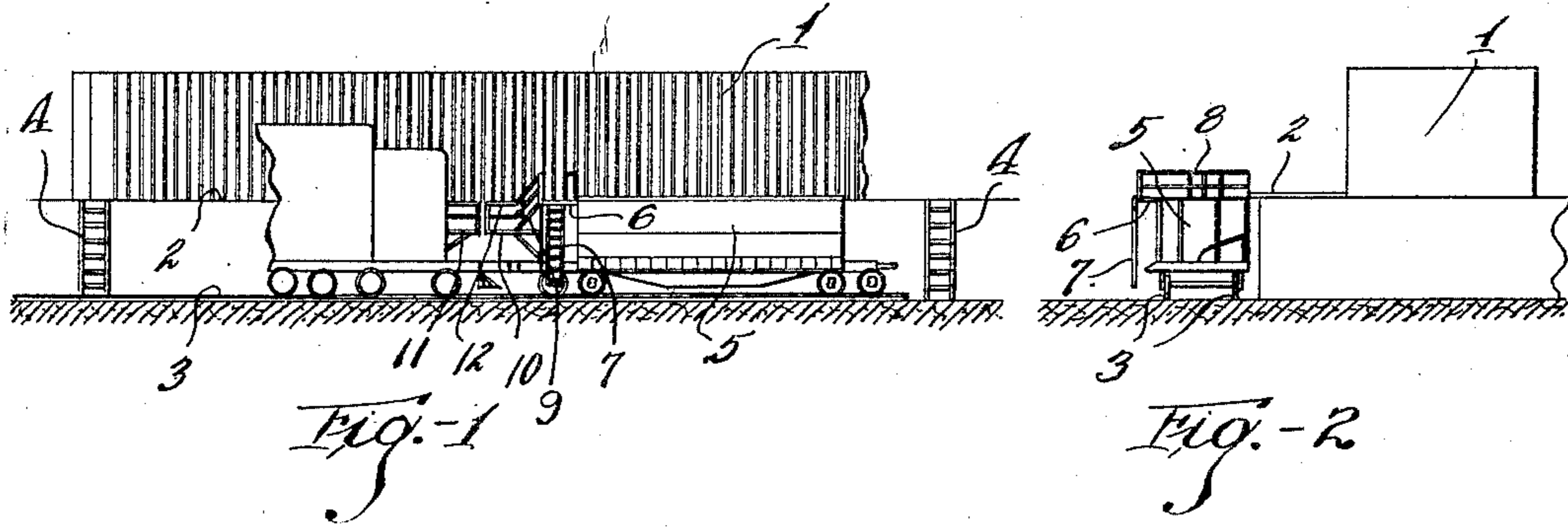
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COKE QUENCHING CAR PLATFORM

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COKE-QUENCHING CAR PLATFORM.

Application filed May 11, 1925. Serial No. 29,486.

This invention relates to improvements in coke-quenching car structures.

As is well known to those familiar with coke ovens, there extends along in front of a battery of coke ovens a coke bench at approximately the level of the bottom of the ovens and at approximately the level of the top of the coke-quenching car on the track below the bench. Steps located at certain points along the bench, lead down to the track.

With this old arrangement, considerable time has been lost and inconvenience suffered due to the necessity of the workmen walking along the bench to the steps in order to get down to the level of the track. Since these steps occur only at certain intervals along the bench, it is necessary at times for the workmen to walk practically half the distance between two stairways, which means inconvenience and loss of time. Likewise, the same inconvenience is suffered by the workmen when they desire to get from the coke bench to the cab of the electric locomotive on the track.

It is, therefore, the object of the present invention to provide a means in conjunction with the coke-quenching car by which the descent of the workmen from the coke bench to the track level is greatly facilitated both in point of time saved and convenience.

Another object is to provide means whereby workmen may readily get from the coke bench to the cab of the electric locomotive without the inconvenience and loss of time which they must experience according to the old practice.

More specifically, it is the object of the present invention to provide a compact platform structure extending across the open top of the coke-quenching car and arranged at one end thereof, together with auxiliary platform, steps and ladder, whereby the workmen may have ready access from the coke bench either to the track level or to the cab of the electric locomotive.

Another object is to provide such a structure which will at the same time afford suitable and convenient storage space for a wheelbarrow or the like which may be used by the workmen.

Fig. 1 represents graphically a battery of coke ovens and indicates in a general way the steps occurring at intervals along the coke bench, together with the applicant's present improved device; Fig. 2 shows the

same in end elevation; and Fig. 3 is a perspective view of my improved platform structure on a coke-quenching car.

As above referred to in a general way, the battery of coke ovens which is here indicated graphically by reference numeral 1, has the coke bench 2 extending along the front thereof at substantially the same level as the bottom of the ovens. The track, indicated by reference numeral 3, is at a lower level and is reached by the operator, according to the old practice, by means of the stairways 4 which are spaced along the track at certain intervals.

According to my present invention, the coke-quenching car 5, is provided with a platform 6 extending across the open top thereof from side to side and at one end thereof. Depending from the one end of this platform and down along the one side of the car is the ladder 7 which leads to the track level and by which the workmen may easily descend from the platform 6, the platform 6 being open at its other end and having substantially the same level as the coke bench 2 so that the workmen may easily step from one to the other. The railing 8 is provided along two sides of the platform 6 and across the entire width of the car so as to render the same safe for the workmen.

Leading down from the platform 6 and at one end of the car I have provided the steps 9 which lead to the auxiliary platform 10 having a level corresponding substantially to that of the floor of the cab 11 of the electric locomotive which is here indicated only in a general way. The railing 12 is provided for the steps 9 and the auxiliary platform 10 and joins the railing 8 so as to facilitate the workmen's passage between the platform 6 and the platform 10.

With the above described structure it will be seen that the workmen may readily step from the coke bench onto the platform 6 without having to walk along the bench to the stairway 4 and may descend from the platform 6 to the track level by means of the ladder 7 or may descend to the platform 10 by means of the steps 9 and thence into the cab of the locomotive.

Thus I have devised a structure which means a considerable saving in time and affords greater convenience to the workmen in moving from the coke bench to the track level or to the locomotive cab and vice versa.

This platform structure also affords a means of storing a wheelbarrow or any other such implement which might be used by the workmen around the coke ovens.

5 What I claim is:

1. In a coke-quenching car structure, the combination of a car body having an open top, a ladder on the side of the car, and a platform extending entirely across a portion
10 of the top thereof from the upper end of said ladder.

2. In a coke-quenching car structure, the combination of a car body, a platform extending across the top and at one end thereof,
15 of, a platform at one end of said car body and below the top thereof, steps between said platforms, and railing provided along said platforms and steps.

3. In a coke-quenching car structure, the

combination of a car body, a platform extending across the top and at one end thereof,
20 of, a platform at one end of said car body and at a level corresponding substantially to that of the cab of a locomotive, and steps between said platforms. 25

4. In a coke-quenching car structure, the combination of a car body, a platform provided thereon at a level corresponding substantially to that of the bench of a battery
30 of coke ovens, and leading to said bench, and steps at the end of said car body leading from said platform to a level corresponding substantially to that of the cab of a locomotive.

In testimony whereof I hereby affix my
35 signature.

SAMSON D. WRIGHT.