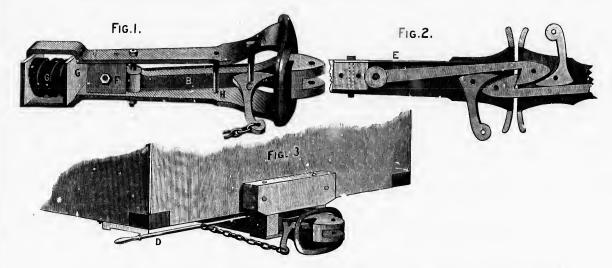
The following illustrations show the Coupler as it is now applied to ordinary Merchandise Cars, and require little explanation:

- Fig. 1 is a perspective view, showing the form and relation of the several parts.
- Fig. 2 is a plan view, showing the position of the two hooks when coupled, and the levers for *latching back*, or *uncoupling* the hooks, either one of which, worked from EITHER side of a train, unlocks both hooks *simultaneously*.
- Fig. 3 shows the lever attachments on body of Car for working the hooks or couplers. If found desirable to uncouple from *top of Car*, as well as at the side, as here proposed, a second chain from small bunter lever could be attached to an ordinary brake-mast and barrel, and worked by a crank handle and ratchet-wheel on top.



- A is an ordinary wrought iron frame, sufficiently *deep* in the mouth to admit cars of inregular heights coupling with safe
- B, Wronght iron or cast steel bar and hook, slotted and drilled at nose for link and pin when these are necessary. These hooks may be made *much smaller*, when the Conpler can be adopted exclusively on any road.
- C, an eccentric, or lever, for nncoupling, and *also for latching back the hook* when not *wanted to couple* in shunting. One lever thus set back effectually prevents another car from coupling.
- D, Hand-lever for operating Conpler at side of Car.
- E, Double-leaf Spring, bearing on back of Hook.
- F, Cast iron Distance-Piece supporting back end of Hook, and to which Leaf-Spring is attached.
- G G, Buffer-Spring and Followers.
- H, Wrought Iron Pin to strengthen frame, and keep hooks to centre line.