

Mr. Beswick,—

I would like to ask Mr. Herriot where the specifications are made out for the material required.

Mr. Herriot,—

As I explained before, each plant has its own system.

The customer's order originates in the sales department, who places this order with the shop production department. This department then sends the order to the engineering department. The engineering department is responsible for the specifications. It might be a pump. They get out the specifications, showing every detail of that pump, bolts, nuts, washers even if it is only one half inch screw, it goes on the specifications, they also get out blue-prints so that the shop knows exactly what to do. Pattern numbers are also quoted in the case of castings. The engineer department issue these specifications to the production department. Three copies are made, of which the engineering department keeps one, two go to the production department, and the production department issue them to the stores department for the material. The stores department check them up and return one copy, in most cases the carbon copy. In other cases they have standard blue-print specifications for standard work, which are always issued for a standard line of pumps. This is merely a matter of blue-prints. A sufficient number are printed for the different departments, one for the foundry, one for the boiler shop and the machine shop as the case may be, every shop has its own copy.

Then there is the routing of material through the plant I referred to before. All material requiring shop operation has a card issued for it. The card may call for ten castings of a certain pattern number, this card shows the different machines in the different departments this material has to go through. For instance, it has to go to the planer, the lathe and drill before going finally to the assembling room, where it is held until the assemblers are ready for it, so that when they are ready to erect the pump the material is ready to hand for the erectors to do their part, except for small articles which can be drawn from the general stores in a few minutes as required.

Mr. Herring,—

Can you give us any information in regard to the tools department, and how you handle such articles, as oil, waste, etc.