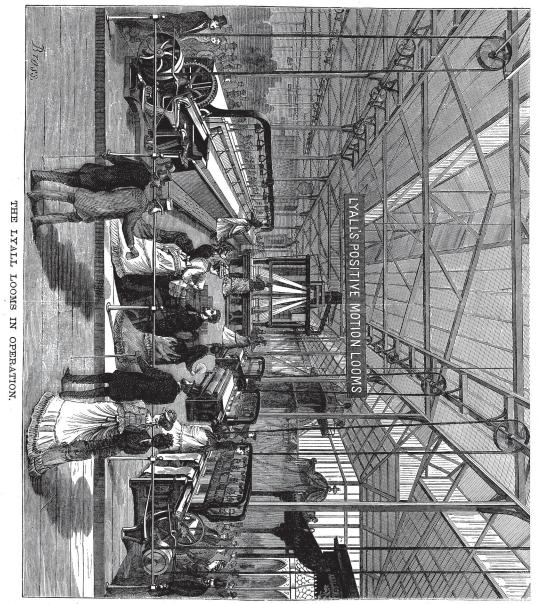
Corset and Bag Weaving.

Our engraving representing Lyall's great exhibit of looms at the Centennial Exhibition, shows in the center the famous corset-weaving loom, and at the extreme right the bag-weaving loom. The first is a most remarkable combination of the principle of De Gennes's power-loom with Lyall's positive shuttle-motion and Jacquard's perforated cards working the warp—a combination of the three great and leading inventions in

what may perhaps be considered as the most useful of all mechanical arts—the art of weaving.

Four webs of corsets are woven at once, in perfect form, all precisely allke and yet possessing every gusset, every welt formerly laboriously put in by hand-work. Five corsets per day was the



derful invention makes eighty-four in an infinitely superior manner in the same period of time. The Jacquard leaf springs, is always held taut, and thus only the cards govern the quantity of warp to be kept in action so that when, for instance, the parts which fit about the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the protruding portions of the body are to be made, the protruding portions of the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protruding portions of the body are to be made, the protrud

extent of the labor of the German weaver; this won- shuttle, so that the thread passing to and fro (after | four webs, and thus four bags are woven at the same

has been attained the two webs are united in a single one and this closes the bag. Then the machine separates the webs again, and the weaving is double. By this method the bags have only to be cut apart, and are then ready for use. It is evident that with this machine the whole labor of sewing the bags is saved, as it will deliver the bag ready-made for the same price that other machines will only deliver the material to make the bag from. There is also another incidental advantage: as the bags are woven double, the loom has only half the width that would be required for weaving the single material, which is a saving in the first cost of the loom as well as the space it occupies in the mill.

That this method of bag-weaving will supersede the old way of sewing bags is evident, for besides the lower price, a bag woven in one piece is far stronger than a sewed one, as the seams are the places where bags usually give out.