Inclined Driveways for Garage and Factory Buildings

THE d'Humy Motoramp System is offered as a solution of the problem of inter-floor transportation, possessing marked advantages over the usual type of ramp. It may be used in factory buildings of all classes and also in automobile and motor truck sales and service buildings and garages. It is almost as compact and economical of space as an elevator installation, but affords all the advantages of a ramp construction.

The notable features of the d'Humy System are obtained by the use of a staggered floor building in which the structure is divided into two vertical sections, the floors in one section being placed half way between the floors in the other section. Because of this modification the ramps rise a half story at a time instead of a full story. This in itself is an important advantage because it reduces the ramp length by one-half and,

THE D'HUMY MOTORAMP SYSTEM FOR GARAGES

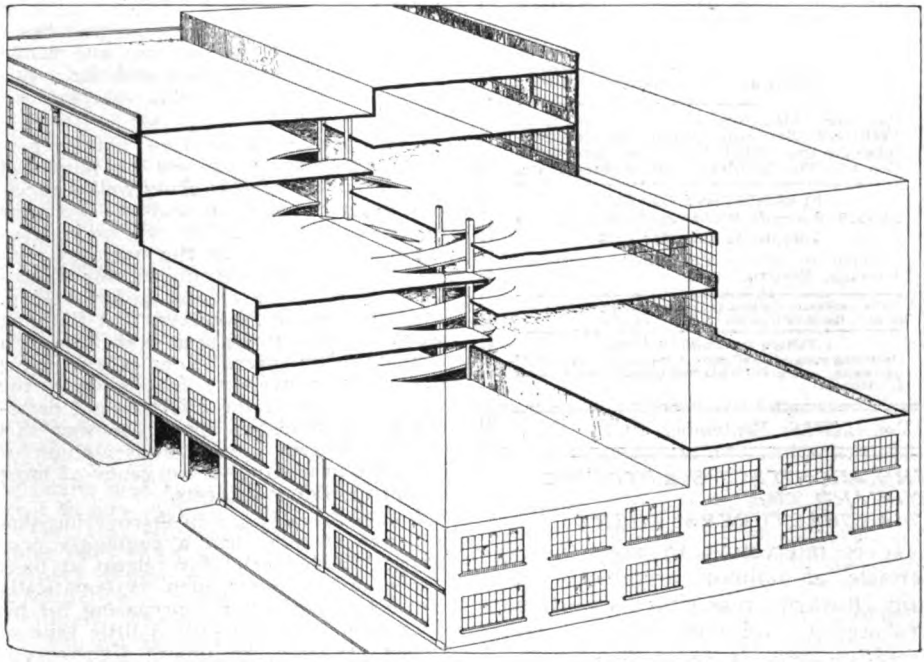
consequently, the location of ramps in any building is a much more simple problem than where full length ramps are employed. The ordinary ramp is so bulky that it is invariably difficult to place it so that it does not interfere in some way with the best building layout. The short ramps employed by the d'Humy System, however, remove this difficulty. The location of these ramps offers no particular problem at all.

The high space economy of the d'Humy Ramp System is obtained by virtue of the fact that the ramps are merely connecting passages between the two sections of the building. In a building of ordinary construction connecting passages would be required and in the d'Humy System these also function as ramps.

Because of the compactness and high space economy of the system, d'Humy ramps are valuable for use in factory buildings, whereas ordinary ramps are out of the question.

The flow of material in the multi-storied factory building is usually from the top floor to the first floor. With the d'Humy System it is feasible to place the raw material stockroom and the stockroom for semi-finished parts on the top floor, transportating the material directly to this floor by motor trucks or, if it is not deemed desirable, industrial trucks may be used. Raw and semi-finished material is taken from the top floor and put into production, being transported down through the building by means of the d'Humy Motoramp System on industrial trucks. By the time the first floor is reached the product is ready for shipment. In a great many cases this patent Motoramp System will provide the most convenient and economical method of maintaining the flow of raw material and finished parts throughout the factory building.

The manufacturers of various types of industrial tractors and industrial



MOTORAMP SYSTEM FOR INDUSTRIAL BUILDINGS

trucks state that their vehicles are capable of pulling a load up a 10 to 15 per cent grade without difficulty and that they are, therefore, suitable for use in connection with the d'Humy Motoramp System.

Comparative figures readily show the advantages to be obtained by the use of the d'Humy ramp in a building 100′ by 100′. For example, if any space is devoted to inter-floor transportation, fifty-two cars may be accommodated. With the ordinary ramp this number is reduced to forty-six. With the elevator the number, in most cases, is the same as for the d'Humy ramp. Figures for other sizes of buildings are given below:

Building Size	Number of cars that can be stored with:			
	No inter-floor transportation	Single d'Humy Ramp System	Ordinary Single Ramp System	Single Elevator
100x100	52 cars	50 cars	46 cars	50 cars
100x150	80. cars	75 cars	72 cars	78 cars
120x300	170 cars	168 cars	160 cars	168 cars
	132 cars	130 cars	120 cars	130 cars
150x150	120 cars	118 cars	110 cars	118 cars