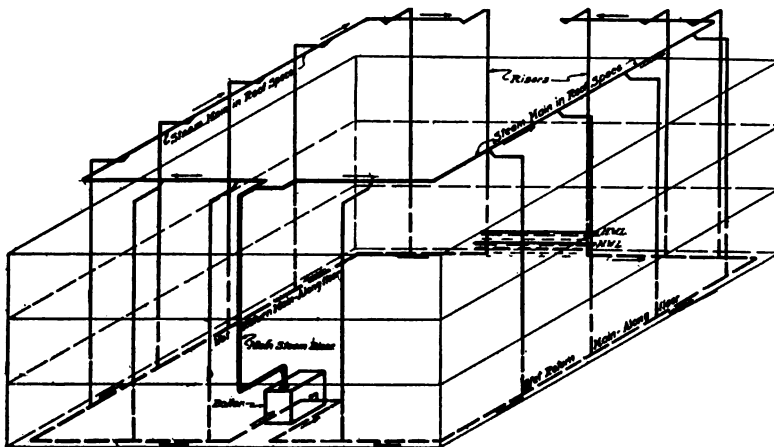


ONE PIPE STEAM SYSTEM.

Mills System.



THE MILLS SYSTEM.

For jobs where the quantity of radiator goes up to say, over 600 sq. ft. per riser, it is better to use the overhead, or "Mills" system. This system and the "one-pipe relief" system more nearly approach a two-pipe job, having both steam main and a return main, but can be made in the one-pipe variety by using one radiator connection, with a single valve. A diagram of the well-known Mills system is shown herewith and it will be noted that all the steam is carried up one main riser to overhead mains run around the top of the building and pitched down from the main riser to the various drops. The drops have tees at the re-run around the top of the building and pitched down from the main at the top from the riser itself and from the radiators connected thereto, falls down through the drops—flowing with the steam all the way—and is finally drained off drips connected to the bottom of the drops and going to the main return—preferably a wet return, through which they find their way back to the boiler.

The Mills system establishes more nearly ideal conditions and should be used for higher building jobs, but is a more expensive system to install than either the "one-pipe circuit" or the "one-pipe relief." In spite of this it should be used for all larger work where the other two systems would be liable not to give satisfaction.