



Lessons learned in developing steels for rockets and supersonic planes are bringing closer the time man can travel at four times the speed of sound.

## Steel research widens your world...

Everybody likes to look ahead, and that includes the people of United States Steel. Now under way in our Research Center, and in our plants all across the land, are projects that will mean a host of new steels to lighten your work... brighten your leisure... widen your world.

Among the interesting developments are the world's widest thin-gauge alloy and stainless steel sheets, "sandwich" rolled for defense missiles and aircraft through use of a new technique developed and refined by U. S. Steel. Another is a missile steel with a tensile strength level of 280,000 pounds per square inch, or six times greater than that of sheet steel used in automobile bodies and fenders. And still others are vinyl plastic coated sheets of beauty and durability, and patterned vitrenamel sheets in many colors for a wide variety of applications.

Building for the future is a vital part of our job. To give the nation more and better steels, we have spent almost four billion dollars since 1945 on the improvement of existing facilities and the addition of others. And we are

going right ahead, adding new facilities and improving existing ones, in the face of mounting costs and depreciation allowances that are nowhere near adequate.

Completed or begun in 1958 for increasing the efficiency and capacity of blast furnaces was the construction of four new sintering plants at Youngstown, O.; Saxonburg, Pa.; South Chicago, Ill.; and Gary, Ind. Other projects include a new pipe mill at Lorain, O., which will be the most modern facility of its kind ever built, with an annual capacity of 237,000 tons; a new engineering building in Los Angeles; a new structural and blooming mill at South Chicago; a new slabbing mill at Gary; new primary and billet mills and another electric furnace at Duquesne, Pa.; new tin plate manufacturing facilities at Pittsburg, Calif.; a new coal cleaning plant in Utah; and the installation of auxiliary platemaking facilities at Fairfield, Ala.

Our investment in modern research and production facilities, we believe, is an investment in a better future for every American.

Watch THE UNITED STATES STEEL HOUR on television. See your newspaper for time and station.



**United States Steel**