31

2

2

=

3

40'

1000

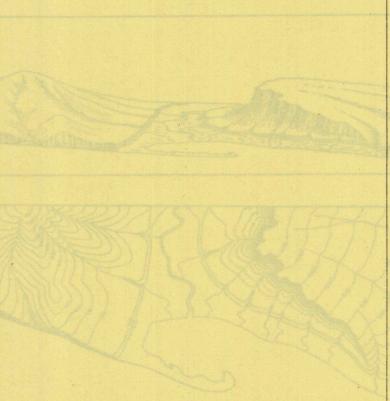
HE TOPOGRAPHIC MAPS OF THE UNITED STATE

orbs of man), such as towels, cities, roads, railroads, an induries. The symbols used to represent these features as we and explained below. Variations appear on some earlips, and additional features are represented on some specie

All for water features are represented in blue, the smaller same and crunds by single blue lines and the larger stream, lakes, and the sea by blue water liming or that tint. Interfout streams—those whose beds are dry for a large part-of

pear---are vanive by montour fithes in brown, which on and tailed is shown by contour fithes in brown, which on and are are supplemented by shading showing the effect of high own from the northwest across the area represented, for the pose of giving the appearance of relief and thus aiding i interpretation of the contour lines. A contour line reputa an imaginary fine on the ground (a contour) every pawhich is at the same altitude above sea level. Such a inthe drawn at any altitude thore sea level. Such a inre at certain regular intervals of slituide are shown. The of the seacoast itself is a cristour, the datum or zero of althe reline if the sea should rise 20 feet. Contour lines should also being mean sea level. The 20-foot contour lines should the being mean as level. The 20-foot contour lines the shape of the hills, mountaints, and valleys, as well as the state. Successive contour lines that are close together inditude. Successive contour lines that are close together inditude. Successive contour lines that are close together inditude is a steep slope; and lines that are close together indi-

I grade is shown in the figure below



he sketch represents a river valley that lies between a la the foreground is the see, with a bay that is par oasd by a hooked stud bur. On each aide of the valle rrace into which small streams have out narrow gull bill on the right has a rounded anomair and coulds a

ing spurs separated by ravines. The spurs are true cated at their lower ends by a see alif. The hill at the left terminates abruptly at the calley in a steep earp, from which a slopes gradually away and forms an inclined table-hand the is traversed by a few shallow gulbes. On the map each of these features is represented, directly beneath its position in the sketch, by contour lines.

The contour interval, or the vertical distance in feel perveep one contour and the mark, is stated at the bottom of a car map This interval, differe according to the topography of he area mapped; in a flat country if may be as small as 1 flot; in a mountainous region it may be as great as 250 flots. (Cruin containous hines, every fourth or fifth one, are made heat at a atters and age accompanied by figures showing slittude the heights of mapy pouts—such as road corners, immunits, surfaces of lakes and bench marks—are also given on the map in figures, which show attitudes to the nearest flot only. More event altitudes—these of bench marks—are published in profesion issued by the Geological Survey.

Lettering and the works of mas are shown in black. Boundacies, such as those of a State, county, cit, land grave, township, or reservation, are shown by continuous or brok an lines of different kinds and weights. Good motor or private to ads by are shown by fine double lines, poor motor or private to ads by desined double lines, trails by desired single lines. To be town, the map are printed the names of adjoining quade ngles of

thish maps have been published. Over 3,300 quadrangles in re United States have been surveyed, and maps of them milar to the one on the other side of this sheet have been, ublished.

The uppgraphic map is the base on which the georgy and mineral recourses of a quadrangle are represented, and the maps showing these features are bound together with a descriptive text to form a folio of the Geologic Athes of the United States. More than 220 folion have been published.

Index maps of each State and of Ginska and Hawaii the the areas envired by topographic maps and geologic threa lished by the United States Geological Survey may be total free. Copies of the standard topographic maps may its thus for 10 conta each 2 some special supp are sold at different pr



