it locks across the valley and hills, to from horizon to horizon. range.

ly the valley and prairie lands are arable, of them yielding enormously.

ed land, of which one hundred and twen- vegetable matter which has covered them ty thousand acres are under actual cul- for ages. Though the early settlers suptivation. The surface of the western posed that the valley lands were the half of the county consists of little val- best, and though for years the value of leys, lying along the water courses, be- the hill lands was not appreciated, the tween which lie rolling prairies. Along fact is now generally recognized, that the Willamette, for several miles inland, the soil of the hills is remarkably feris a continuous stretch of almost level tile, and produces the finest and hardest valley land, with a steady trend toward wheat of the Willamette valley, the Across the northeastern cor- most sought after by millers for their ner stretches a high range of hills, pop- best brands of flour. The hill farmer, ularly known as the Eola hills, their also, has the advantage of grazing for summits crowned with fields of grain. his stock on unoccupied, or partially The western half of the county is hilly, cleared, land, since, wherever the brush rising gradually to the low summit of is cut away, a spontaneous growth of the Coast range, numerous valleys pen- grass and white clover springs up at etrating far into their midst. The gen- once. Taken all together, then, the valeral nature of the topography is shown leys, prairies and hills of Polk county in the engraving on page 634. From form one vast area of arable soil, whose the summit of Mt. Pisgah, near Dallas, yellow fields stretch, in harvest time,

the snow-crowned peaks of the Cascade In regard to the production of cereals, there is, practically, no difference The idea must not be obtained that on- between the different classes of land, all since it is a fact that, in some respects, the differences are observable are of a local hill lands make the best farms. Even nature, or consist in methods of cultivathe higher slopes of the mountains, tion, more than in quality of soil. At whose sides are not so rugged and pre- the office of Wright & Ellis, in Dallas, cipitous as those of the Cascades, pos- I was shown some magnificent samples sess a fertile soil, capable of profitable of wheat of this year's crop. One stool cultivation when cleared of timber. The in particular was a marvel in its way. fact is, that but a comparatively small It contained seventy heads, and upon portion of the county is unfit for event- counting the grains in a head of average ual cultivation, while by far the greater size, there were found to be seventy-six. portion is either already in a producing This gave a total of more than five thoustate, or can easily be so rendered. Each sand grains of wheat from one seed. The section has its advantages. The valley good old "hundred fold," of the bible, and prairie lands, of course, give the far- was here made five thousand fold. This mer a greater proportion of cultivable was, of course, an exceptionally large soil, better opportunities for orchards, stool, others taken from the field showand, on the rich bottoms along the ing about thirty heads. The harvest of streams, a soil well adapted to the cul- the present year has not sufficiently proture of hops. The soil of the valleys gressed to give accurate figures of the and prairies is rich, dark loam, of al- yield per acre; but that it is equal, if most even and unbroken fertility. The not superior, to that of last season, is hill lands possess a reddish soil, formed evident. The total crop of 1887 is estiby the decomposition of lava, and of the mated at one million two hundred and