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out of the valley. Here we have direct proof that the ice formerly existed up to a level of at least 1709 feet above Lake Louise, and 1934 feet above its bottom. Near the base of the Beehive, at Lake Agnes, a single stratum of soft red shale about 7 feet thick appears, and may be traced for some distance north and south. Though the beds of quartzite above and below show merely a rounded, polished contour, destitute of striae, this softer stratum is most exquisitely carved with striations of all sizes down to the merest hair-lines. Apparently the quartzite was too hard to receive scratches from pebbles and boulders of its own structure. The rounding of the cliffs, however, and of all projecting knobs of rock, is almost universal in these valleys, especially on



LAKE LOUISE FROM NEAR THE END OF WEST SHORE, LOOKING SOUTH-WEST; INTERIOR PEAKS OF MOUNT LEPROY IN THE DISTANCE.

the "stoss" side, which was here usually the south-west exposure. One very fine example of glacial elasticity was discovered in the red shale referred to above. A small projecting buttress on the side of a vertical cliff had been worn down into a conical form with a flat top, some 3 feet high, and nearly 2 feet in diameter at base. This frustum was beautifully fluted and striated with vertical *spreading* lines which opened more and more toward the base. This was done by a branch glacier which occupied the Lake Agnes trough, and presumably remained some time after the period of maximum glaciation. This glacier was undoubtedly very similar in size and steepness to the glacier which now exists on Hazel peak.