that the wind usually appears to veer, shift, or go round with the sun (right-handed, or from left to right); and that when it does not do so, or backs, more wind or bad weather may be expected instead of improvement.

"It is not by any means intended to discourage attention to what is usually called 'weather wisdom.' On the contrary, every prudent person will combine observation of the elements with such indications as he may obtain from instruments; and will find that the more accurately the two sources of foreknowledge are compared and combined, the more satisfactory their results will prove.

"A few of the more marked signs of weather, useful alike to seaman, farmer, and gardener, are the following:—

"Whether clear or cloudy, a rosy sky at sunset presages fine weather; a red sky in the morning, bad weather, or much wind (perhaps rain); a grey sky in the morning, fine weather; a high dawn, wind; a low dawn, fair weather.

"Soft-looking or delicate clouds foretell fine weather, with moderate or light breezes; hard-edged, oily-looking clouds, wind. A dark, gloomy, blue sky is windy; but a light, bright blue sky indicates fine weather. Generally, the softer clouds look the less wind (but, perhaps, more rain) may be expected; and the harder, more 'greasy,' rolled, tufted, or ragged, the stronger the coming wind will prove. Also, a bright yellow sky at sunset presages wind; a pale yellow, wet; and thus by the prevalence of red, yellow, or grey tints, the coming weather may be foretold very nearly: indeed, if aided by instruments, almost exactly.

"Small inky-looking clouds foretell rain; light scud clouds driving across heavy masses show wind and rain; but, if alone, may indicate wind only.

"High upper clouds crossing the sun, moon, or stars, in a direction different from that of the lower clouds, or the wind then felt below, foretell a change of wind.

"After fine clear weather, the first signs in the sky of a coming change are usually light streaks, curls, wisps, or mottled patches of white distant cloud, which increase, and are followed by an overcasting of murky vapour that

grows into cloudiness. This appearance, more or less oily or watery, as wind or rain will prevail, is an infallible sign.

"Usually the higher and more distant such clouds seem to be, the more gradual, but general, the coming change of weather will prove.

"Light, delicate, quiet tints or colours, with soft undefined forms of clouds, indicate and accompany fine weather; but gaudy or unusual hues, with hard definitely-outlined clouds foretell rain, and probably strong wind.

"Misty clouds forming, or hanging on heights, show wind and rain coming, if they remain, increase, or descend. If they rise or disperse the weather will improve or become fine.

"When sea-birds fly out early and far to seaward, moderate wind and fair weather may be expected: when they hang about the land, or over it, sometimes flying inland, expect a strong wind with stormy weather. As many creatures besides birds are affected by the approach of rain or wind, such indications should not be slighted by an observer who wishes to foresee weather.

"There are other signs of a coming change in the weather known less generally than may be desirable, and therefore worth notice; such as when birds of long flight, rooks, swallows, or others, hang about home, and fly up and down or low, rain or wind may be expected. Also when animals seek sheltered places, instead of spreading over their usual range; when pigs carry straw to their sties; when smoke from chimneys does not ascend readily, or straight upwards during calm, an unfavourable change is probable.

"Dew is an indication of fine weather; so is fog. Neither of these two formations occurs under an overcast sky, or when there is much wind. One sees fog occasionally rolled away, as it were, by wind; but seldom or never formed while it is blowing.

"Remarkable clearness of atmosphere near the horizon, distant objects, such as hills, unusually visible, or raised by (refraction), and what is called 'a good hearing day' may

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