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POPULAR POLISHES
Black, Tan and White
10c All Dealers

THE F. F. DALLEY CO., LTD.
BUFFALO, N. Y. HAMILTON, ONT.



Half Million Mexicans in Texas. San Antonio, Tex. Apr. 30.—There are 234,179 persons in Texas whose mother tongue is Spanish and practically all of them came here direct from Mexico, according to census reports just issued. This number represents approximately 7 per cent of the total white population of the state. The information contained in this report was gathered in 1910 and it is claimed by local authorities that this number has doubled in the past semi-decade.

To Cure a Cold in One Day
LAVATER'S BRONCHO-GRINDER
Prevents and breaks up the cold
Cures in 24 hours
E. W. GROVE'S REMEDY CO. CHICAGO, ILL.

Standard mowers in stock. O. D. Mann & Sons.

Planters and cultivators that will do the work. E. J. Broad.

DR. J. W. RAGSDALE
OPTOMETRIST
WITH
Martin O. Curry Company
In Brady Every Wednesday.

RENALT
A Pure Vegetable Remedy
Is a health builder for sufferers of Kidney, Stomach and Bladder Troubles. The Ferrel-Saunders Co. guarantees Renalt to bring relief after a reasonable trial or money will be refunded.
FOR SALE BY
W. S. SHROPSHIRE

Unwanted "Wants."
A great number of our wants are special wants of the imagination; we want them simply because we think that we want them; they give us no enjoyment when we obtain them; the want of them is only known by a disagreeable feeling that we are without them.

At the store of their dealer Jones Drug Co. May 18-19, A. K. Hawkes Co's. expert optician will test eyes to fit glasses. He will give the same splendid up-to-date services and reasonable prices as obtained at their Atlanta establishment, and which have given this firm a national reputation.

Homely Hint.
When making garments for a bazaar, roll the scraps that are left from the material into a neat little bundle and fasten this to the garment with a few stitches. The pieces will be appreciated by the one who buys in case patching or mending is needed later.

For Weakness and Loss of Appetite
The Old Standard general strengthening tonic, GROVE'S TASTELESS CHILI TONIC, drives out Malaria and builds up the system. A true tonic and sure Appetizer. For adults and children. 50c.

Mill products, corn, corn chops, bran. E. J. Broad.

FORECASTING WEATHER.

Interesting Information From Agricultural Department.

In answer to a request for information in plain language as to the way in which weather forecasts are made, the Federal Agricultural Department makes reply as follows:

"To this the shortest and simplest answer is: By telegraph. The weather forecaster does not look out of the window and guess. He is not weather-wise like the old salt who scents the approach of a storm without knowing how. To the signs by which the ordinary citizen decides whether to take his umbrella with him or leave it at home, he pays no attention. Give him his telegraph wires and he can make his predictions as accurately in a windowless cellar as on the top of New York's highest skyscraper.

"The private individual sees the clouds settle on a near-by mountain or the rain sweep over a field a mile from his house and knows that the storm will be on him in a few minutes. With the aid of the telegraph the weather man sees the same storm when it is a thousand miles away, and not only this storm but every other one in the country. He knows in what direction and at what speed each is moving, and can thus calculate with reasonable accuracy the approximate time when it will reach any place in its route.

"Twice a day, at 8 in the morning and at 8 in the evening, reports are telegraphed to Washington from about 200 observers stationed in as many different localities in the United States and Canada. In these reports the observers do not volunteer their personal opinions about what is going to happen. They confine themselves to a plain statement of the

actual conditions at that particular moment, the pressure, or weight, of the atmosphere, the temperature, the direction and velocity of the wind, the amount of rain since the last report, and so forth. From this information the Weather Man of the United States is made up, showing the conditions that prevail in every part of the country. Since there are two maps for each day it is obvious that by comparing them the forecaster can keep track of the course and progress of both storms and periods of clear weather. From that, the next step is to predict what sort of weather will prevail for a day of two in any given locality.

"This map is the basis for all scientific weather forecasting. A glance at it will show that it is divided into "high pressure areas" and "low pressure areas." These are technical terms used to describe the regions in which the weight or pressure of the atmosphere is great (high) or small (low.) At sea level the barometer, which is used to measure this weight, will register 30 inches under normal conditions of the atmosphere. When it registers more than this, say 30.5 or 31, the pressure is "high;" when 29.5 or less, "low." In this way the weight of a column of mercury in a barometer indicates the weight of the air just as, in a thermometer, it indicates the temperature.

"Low pressure usually means strong winds, rain, and rising temperature; high pressures, cool, clear weather. For a reason to be explained later, these "highs" and "lows," as they are called, travel in a general direction from west to east. The forecaster notes their progress on the map, perceives their speed and their route, and then predicts the time of their arrival at any specified point. If they travelled, like a ship steered by compass, an exact

course to the east, and if they moved invariably at the same speed, then weather forecasting would be a simple sum in arithmetic, like calculating the time when a railroad train running 50 miles an hour will arrive at a station 500 miles away. But storms are not railroad trains. They travel in an easterly direction, but they do not travel due east. Their speed is liable to change, and they are affected by the pressure of other storms, by mountain ranges, large bodies of water, and many other things which make weather prophesying the complicated science that it is. The skeleton of the science, however, is the progress of those "highs" and "lows" eastward across the country.

"This progress is caused by the shape of the earth and the well-known fact that hot air rises. The tropical sun in the regions along the Equator heats great masses of air, which rise and drift toward the North and South Poles. As the earth revolves from west to east these masses are carried along with it at the same speed. But, as is well known, the Equator revolves much faster than the poles, which are practically stationary, in much the same way as the rim of a wheel revolves faster than the hub. Therefore these masses of air, revolving at the same rate as the Equator, begin, as they approach the poles, to move much faster than the earth beneath them. There is thus a constant movement of the atmosphere from west to east, a movement which becomes more marked the nearer one gets to the poles.

"This, of course, does not mean that the wind always blows from the west. The great current flows in that direction, but surface conditions cause innumerable eddies which are the winds we feel. Into a low pressure area, for instance, the air rushes from every direction. Thus, if the center of the disturbance is to the west of us, we will have an easterly wind as the air rushes toward this center; when the storm has reached and passed us on its easterly way we will have westerly winds. For this reason it is common to say that west winds mean clear weather.

"The air that flows into the low-pressure area obviously must go somewhere. Since it is coming in from every point of the compass, the only available place is up. As it rises it cools and contracts. In the process the moisture it contains is condensed and we have rain. That is, we are likely to. It can not be stated too emphatically that there are many things to be considered which may make exceptions to the most fundamental rules.

"In regard to temperature, everyone has noticed that rain in winter means warm weather, in summer cool weather. This arises from the fact that heat travels more easily through clear skies than through clouds and moisture. In the daytime heat reaches the earth from the sun; at night it leaves the earth to be absorbed in the atmosphere. In summer, therefore,

CLASSIFIED ADS

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For Sale—Horses, mares and mules, broke to harness. See Acosta Bros.

For Sale—Weaned pigs and shoats. Apply E. W. Harris, Broadmoor, Texas.

Wanted—Big mules, horses mares, in good flesh, broke to harness. Will be in Brady until May 9th. C. B. White.

For Sale. Four tons bright baled cane at \$10.00 and \$12.00 per ton. Also a lot of Mebane cotton seed at 50c per bushel. C. A. BENGTON, Lightner, Texas.

For Sale or Trade—Single buggy and good set of harness. See J. H. White.

Don't forget the engagement of A. K. Hawkes expert optician at the store of Jones Drug Co. May 18-19. Glasses fitted correctly in up-to-date styles at reasonable prices. All work guaranteed.

No Calomel Necessary. The injurious effect and unpleasantness of taking calomel is done away with by Simmons Liver Purifier, the mildest known liver medicine, yet the most thorough in action. Put up in yellow boxes only. Price 25c. Tried once used always. A. B. Richards Medicine Co., Sherman, Texas. For sale by Jones Drug Co.

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