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MONDAY, DECEMBER 19, 1910.

INTO THE SWIRL.

This morning we enter the rush of the closing week of the holiday shopping season. For the shopper who has completed his task and whose list has been all checked off the week possesses no terrors; he can look on and enjoy what he sees. But the man who has delayed until now the visit to the Christmas mart, he has weary hours ahead. But they are pleasant hours and he will emerge from the scrimmage with smiles, for it takes all the grouch out of a man to play Santa Claus. If we do the best we can this week to lighten the duties of the holiday salespeople, we shall be doing the right thing; their troubles are greater than ours and they haven't the satisfaction in these transactions which comes to us on the outside of the counter. If you are going shopping this week, go as early as you can in the morning; you will have greater comfort than you will if you wait till afternoon. If you want to see the crowd, it is more fun to watch it from the outside. It is a merry week; let's enjoy it to the limit.

HEAR THE BAND.

Tonight, at the Harnois theater, the Missoula band will give the second of the series of concerts it has arranged for the winter season. The success of the first concert assures that of the second, from an artistic standpoint, anyway. Hear the band tonight; it will be well worth your while. There's another reason, too; the band needs you tonight. Like all public enterprises, the Missoula band has need to appeal for public aid, occasionally. The men of Missoula have responded well; the business people are doing their share toward keeping up what is and will be one of the splendid musical organizations of the west. Still the band needs help a little and what is really of more importance, it needs moral support. Go to the Harnois theater tonight; you'll hear a concert not to be excelled anywhere in the northwest.

LET HIM SKATE.

If your boy wants to go skating, let him go. It is the best winter exercise there is; we had almost said it is the best exercise there is of any season. Let the boy enjoy it and the girl, too, if she will. Don't say it is too dangerous but with a caution as to recklessness, let the youngsters go. Do you not remember the exquisite joy that you used to feel, skimming over the black ice on the old New England pond, between the high walls of pines that sent back the echo of the ping of your skates as you flashed along? If you had forgotten that experience, recall it and let it be your warrant to let your boy go skating when he asks. There are plenty of good places about Missoula; there is the rink, there is the big pond at Bonner, there is the smaller pond at the Follies mill—all these are good places and safe. And there are scores of "stoughs" not so far that the boys cannot reach them. Let the boy skate.

NOT FAIR.

We find the esteemed Montana Legislature, put falling into the error to which we have previously made reference, that in comparing the 1910 population of Deer Lodge, Missoula and Flathead counties with the returns for 1900, allowance is not made for the fact that these counties have been divided since the 1900 census. During the past decade, Powell county with its more than five thousand people has been segregated from Deer Lodge; making proper allowance for this fact, it will be seen that the population of Deer Lodge county has not decreased. It is true, however, that when Powell county was cut off,

there was no reduction made in the representation of Deer Lodge county in the legislature. There should be change in that.

IN REMINDER.

Let us add just a word, by way of reminder, to what we said yesterday about helping the King's Daughters in their work of trying to make the Christmas season happy for those who are in distress. The census taken by the King's Daughters has revealed a good deal of suffering in the city—not such suffering as there is in the great cities, but great proportionately. To relieve this suffering or to help in its relief is the true work of the Christmas season. If you feel like doing something along this line—and you should feel that way—communicate with Mrs. C. W. Blair, president of the King's Daughters, or with Captain Koapp, commanding the local branch of the Salvation Army.

Champ Clark should learn the advantages of keeping still. He is mixing trouble for himself all the time.

Head The Missoulian's advertisements this morning and you will find the easy way to a merry Christmas.

The Missoulian's advertisers tell you where and how. All you have to do is to say what and when.

The man who doesn't shop till late possesses one redeeming quality, at least. He trades at home.

Uncle Diaz may not have such an awfully merry Christmas this year, but it is a lively one, anyway.

Keep your ear to the ground and you'll hear some news that means a great year for Missoula.

If you haven't the grip, you are having a merry Christmas, though you may not realize it.

Make yourself a Christmas present by determining to attend the Red Apple banquet this winter.

If the direct-primary forces organize, there will be a direct-primary law. That's a cinch.

Whatever else may be said of the postmaster general, nobody will charge that he is inactive.

The holiday vacation insures an abundant supply of labor for the Christmas rush.

Also, there are some northern Democrats with whom Champ Clark will have to reckon.

The direct route to merry Christmas lies in the direction of making others happy.

Chairman Tawney has been denounced again; what's the use of rubbing it in?

Now we enter upon the home stretch in the great Christmas handicaps.

Merely saying "Merry Christmas" doesn't represent your full duty.

Though it is too late to shop early shop early in the morning.

Christmas is the booster's season. Boost and you'll be happy.

The merriest Christmas is that which makes others merry.

The Red Apple Christmas is the best Christmas of all.

If you failed to shop early, shop as early as you can.

FABLES OF FUN.

Mr. Murray, irritable from long confinement to a sick bed, coked up his ears and listened.

"That's all that piano-bangin' in the parlor?" he demanded, glaring at his wife.

"Her first steps."

"That's she doin' walkin' on the keyboard?"

"But I told you I wanted a peach-colored silk waist and you've brought me a green one."

"Peaches, madam, are not ripe at this season. Green is peach color. Nest-ce-pas?"

"I am afraid the moths will get into my bathing suit," said Maude.

"It would be a shame," replied Maude. "The poor things would starve to death."

Wigwag—I hear you are always lucky at poker.

Henpecked—Well, not always; I met my wife in a poker game.

"Why does your wife insist on carrying such heavy trunks when she travels?"

The baggage handlers find them harder to lift onto the top of a pile; consequently they don't fall so far when they push 'em over."

THE AWAKENING.

I dreamed of her I once loved best. Who once my being had possessed. Whose hand I'd passionately pressed. Once more I sought her out with zest, "She'll joy to welcome me," I guessed.

And then, ah me!
 That it should be,
 With bitter pain
 I guessed again.
 I found a bird in last year's nest,
 With plumage rare
 Of yellow hair.
 With her sweet golden head at rest
 Upon the vest
 He wore on his protruding chest!
 —Harper's Weekly.

CHRISTMAS.

Plainsman—It is the season to bury feuds and cherish a warm heart—a season of peace on earth to all and good will to all.

Christmas cheer is cheerless unless spontaneous—and none but the generous can know spontaneously. Is the one time in the year when even the miser will find generosity a good investment.

Buy at Home.

Spokane Chronicle—With but few exceptions all materials required in the construction of even the largest and most modern buildings can now be obtained without sending away from this city. Whenever such material is ordered from the east it takes money out of circulation here and fails to show a proper spirit of patronizing home industry. There is nothing that Spokane now needs more than manufacturing industries and the way to get them and to keep them is to patronize them.

Democrats Responsible.

Montana Record (Helena)—At past sessions the democrats have prevented a reapportionment of the state. This year they have one branch of the legislative assembly and the executive office is filled by a democrat. A republican will support any fair apportionment bill, and if there is any failure to do justice to every county in Montana the blame will rest on the democrats.

Of Course.

Great Falls Leader—Looking over the counties by population the glaring injustice of the present state legislative apportionment is evident to the most careless eye. Silver Bow county, with

Paints and Paintings
 By Frederic J. Haskin.

There never has been a time when the industrial world was so deeply interested in the matter of paints as it is today. The National Paint Manufacturers' association maintains a bureau of promotion, the purpose of which is to demonstrate how economical the use of paint is, and during the past year or more it has maintained test fences in Atlantic City and in Pittsburgh for the purpose of finding out just what kinds of paint are most economical and serviceable. The tests on these fences are being made under the auspices of a committee from the American Society for Testing Materials. The final verdicts will serve as a guide in future for all large painting operations.

Among the most interesting recent developments is the perfection of a device by which painting is done by machine. The liquid paint is sprayed on instead of being spread with a brush. The result is an enormous saving of time and labor. Large surfaces, like floors or the walls of houses can be given a coat of paint by one man working with the spraying machine in less time than a dozen men could do the same work with hand brushes. With this device the paint comes through a hose and out of a nozzle like water. It is sprayed from a garden hose. There is some waste in the process, but this is said to be more than counterbalanced by the great saving of time and labor. The scheme is not unlike that adopted in constructing the Chicago world's fair buildings in 1893. The beautiful "White City" was built principally of a plaster composition called "staff." The frame work of huge buildings was put up and the "staff" poured over the frame through a hose in liquid or semi-liquid form being molded into the desired shape. Similar methods are used in concrete construction.

America leads the world in the paint industry. There are 25,000 painters included in the organized unions and many more thousands who are unorganized. As a rule American painters receive higher wages than members of their trade abroad, and builders testify that the American workmen stand first in the amount and quality of the work they do. Some of them, besides being expert with the hand brush, can handle the spraying machines with great dexterity.

The use of paints is one of the oldest arts known to mankind. Holy Writ is authority for the statement that Noah coated the seams of the ark with pitch before the deluge. "He was doubtless following the most approved system in the use of preservative coating on structural materials," comments a modern writer. "That method was then probably of remote antiquity and traditional origin and Noah may have learned it when he was a boy." This proves that the world has not advanced so very far, after all, in some respects as there is no substance known to modern science and industry which serves as well for coating the outside of a vessel's hull as pitch. Of course, pitch is not paint, strictly speaking, but it belongs to the same class of materials which are used for preservative and protective purposes, as well as for ornamentation and decoration. Various oils, including creosote, belong to the same class, and are used in treating wood for purposes of preservation.

Returning to the ancient history of paints and painting, the art was practiced by the Egyptians and in Mesopotamia when that desert country blossomed as the Garden of Eden. This almost takes the art back to the days of Adam. Pigments were used by the ancients for various purposes. The Egyptians colored the cases containing their mummified ancestors with many bright hues, and coated them with varnish, and those substances have defied the elements for thousands of years. They are still bright and beautiful.

White lead is the basis of much paint that is used commercially. Formed by the action of chemicals on lead, this product is handled on the market in powdered form or mixed in oil. White lead was used by the ancient Romans and Athenians as a cosmetic and to form the basis of paints for many purposes. It was manufactured as early as 300 B. C., by covering sheets of lead with vinegar or wine lees, the action of the air doing the rest. This method is still used in some parts of Europe and is known as the "Dutch method."

White lead is easily adulterated with many substances and manufacturers unfortunately often yield to temptation. An investigation by the United States governmental agency a few years ago into a widely advertised brand of "pure white lead and oil paint" showed that there was not a grain of lead or a drop of linseed oil in the product. Progressive paint manufacturers favor a law similar to the pure food law, which will protect

the public against the adulteration of paints. White lead is an insidious poison, the colic and paralysis which attack those working in it being recognized in history for many centuries. Machinery is therefore used as much as possible in the process of its manufacture. For this reason also various governmental strictures have been placed upon the manufacture and use of white lead by states in this country and by foreign nations. France set about some years ago deliberately to stop the white lead business, and it is said that as a result of various steps that have been taken, in a few years white lead will totally disappear from France.

Carbon is the basis of all black paint, lamp black being the form generally used. This is obtained in the form of soot deposited by burning oils, fats, resin and similar substances under certain conditions. There is some black paint made from charcoal and bones, and a particularly fine black is obtained from leas and pressed grapes left in wine making in Europe. Most printing inks are made from soot black. India ink and other fine inks used by artists are made by special processes, the best India ink coming from China, where soot, glue and camphor are used in its manufacture. The artists' ivory black is made from ivory.

Ultramarine has a most interesting history. As caruleum, an ancient Egyptian pigment, still seen in the ruins of Pompeii, Cairo and Alexandria, where it has withstood the action of time for 25 centuries or more, this substance was made by powdering lapis lazuli, a precious stone, found in the Orient. It was worth many times its weight in gold. It is only within the last 25 years that it has been manufactured from the base silica, calcium, copper and iron oxides.

The discovery of coal tar colors is the great romance of modern science. Ages ago the greasy flowers and plants that grew on this hot, moist planet decayed, and being covered with rock, were converted by pressure into coal. It is only for two centuries that man has known how to extract from coal the heat which was stored up in it during the carboniferous age. The latent light and color in the "black diamond" needed only the magic touch of the synthetic chemist to be released. This touch was not given until 50 years ago, when a foreigner discovered the secret. Now from the grimy refuse of coal heaps more than 400 coal tar colors have been rescued, which are used in the manufacture of so-called "dye."

Some of the giant railroad bridges of the country require hundreds and thousands of gallons of paint to protect them from rust and other troubles coming from exposure to the atmosphere. The reason all railroad bridges formerly were painted red was because for a long time it was believed that red paint was better for structural steel than any other kind. Then someone thought to make exhaustive experiments and it was demonstrated that red was no better than some other colors. It is said that when the authorities found that the sail air of New York harbor was eating away the bronze of the great goddess of liberty, they decided to give the majestic lady a dress that would protect her, and they spent \$50,000 for the drapery of paint with which she was clothed.

The suffragettes of the country have abundant reason for complaining about the decision of a Chicago judge in the case of a woman sign painter. A few years ago the people going to work one morning were astonished to see a woman gowned in immaculate white sitting in a trapeze some 200 feet above the sidewalk, painting a huge sign. Her hair was flowing loosely over her shoulders, and soon there was a perfect mob raising up at her and marveling at her temerity, no less than wondering at her invasion of this peculiarly masculine field of endeavor. The police did not attempt to disperse the mob, but arrested her and had her fined. But she had succeeded in advertising her wares, for which she received a sum that made the notoriety worth while.

The production of mineral and earth paints in America in 1900 was over 60,000 tons, valued at \$613,132. Generally speaking, the mineral colors are more valuable to the painter and the vegetable pigments to the dyer. Even skimmed milk has been called upon to furnish cases for the manufacture of water paints. Mineral paints are used in decorating china, the color being burned into the clay. Oil paints or stains are generally used for outdoor work, but the use of water paints is growing rapidly, as they are being perfected so as to withstand chemical and atmospheric action.

"Tomorrow"—News from Toyland.
 1.—Planning the Toys.

With the Editors

Christmas.

Plainsman—It is the season to bury feuds and cherish a warm heart—a season of peace on earth to all and good will to all.

Christmas cheer is cheerless unless spontaneous—and none but the generous can know spontaneously. Is the one time in the year when even the miser will find generosity a good investment.

Buy at Home.

Spokane Chronicle—With but few exceptions all materials required in the construction of even the largest and most modern buildings can now be obtained without sending away from this city. Whenever such material is ordered from the east it takes money out of circulation here and fails to show a proper spirit of patronizing home industry. There is nothing that Spokane now needs more than manufacturing industries and the way to get them and to keep them is to patronize them.

Practical Hint.

Big Timber Pioneer—Prayers for the poor are all right in their way, but a load of coal, a side of bacon or a warm overcoat usually are productive of more immediate and satisfactory results. Bear this in mind when planning your Christmas gifts.

No Discount?

Butte Tribune-Review—Montana has 378,653 real men and women, which is twice as many as some states have with about the same population.

The Right Way.

Spokane Spokesman - Review.—The financial experience of Des Moines with government by commission shows that this puts the money in the pocket as well as civic pride in the heart. Its former form of government usually was wasteful and always was incompetent and futile. The fault lay in the system. When efficient men took public office they became incapable, and the finances were run in slipshod ways.

Government by commission in Des Moines changed all that. The old government had left its finances in a tangle, the new managers within a year cut out all extravagance. An annual deficit of \$25,000 to \$50,000 was converted into a surplus. Every department showed increased efficiency. Increased amounts of business are transacted and yet at decreased cost.

The city now lives within its income, a blessing that under the old system was enjoyed only once in a generation.

Be Cautious.

Helena Independent.—To divide any of the counties now would be to impose an additional burden of debt, which the people are not able to bear. It would result in one-half of the citizens bearing all county expenses that are now borne by the whole county.

Of Course.

Great Falls Leader—Looking over the counties by population the glaring injustice of the present state legislative apportionment is evident to the most careless eye. Silver Bow county, with

The Best Gift for Xmas

The Autopiano

Here is a gift that will furnish years of pleasure and joy to your household, at an expense so slight in comparison to the pleasure received, that we do not see how you can overlook it as the best Xmas present obtainable.

The members of your family who are pianists will find that the Autopiano is a fine piano with a rich tone of exquisite quality.

Those who can't play the keyboard in the old way will find that they are able to produce the world's best music on the Autopiano by means of perforated music rolls, so that music—the best music, too—is always at their command.

We respectfully suggest that you call and hear the Marvelous Autopiano before you decide on any other Xmas gift. The fact that you have a piano should not cause you to hesitate, as we will accept it in exchange and make a liberal allowance.

Open Evenings Until Christmas.

Orvis Music House

The Autopiano

56,848, has 11 representatives, while Yellowstone, with 29,844, has one representative; in other words, Silver Bow county is given one vote in the legislature for every 5,000 of population, while Yellowstone is given one vote for every 23,000. Deer Lodge, with 12,888 has five representatives, or one legislative vote for every 2,500, while Teton county is given one legislative vote to 9,546 population. Broadwater is given one legislative vote with every 1,000 population, while Valley county is given one legislative vote to 13,630 population. Granite county is given one legislative vote to every 1,400 population, while Chouteau county is given one legislative vote to 9,049; Dawson county one to 12,725. Carbon county one to 13,982 and Custer county one to 14,123 population. Lewis and Clark casts one legislative vote to every 3,000 population, while Rosebud county casts one legislative vote to 7,985 population. Flathead one to every 6,900 and Cascade one to every 4,000 population. Jefferson casts one legislative vote to every 1,500 population, Madison county casts one legislative vote to every 4,400, Meagher one vote to 2,000, while Sweet Grass must have 4,229 population for each legislative vote. Fergus must have 9,500 in order to secure one legislative vote, and Yellowstone 22,944.

What do you think of it?

Speed Justice.

Great Falls Tribune.—One of the very best suggestions that has ever come from any president of the United States, was contained in the former message of the president to congress and is again referred to in his last one. President Taft says court proceedings in the United States courts are too complicated, too costly and too long delayed to serve the purpose of justice well, and he will certainly find the majority of the people who have had litigation in these courts very much in agreement with him. We trust that he will succeed in getting this much needed reform under way with the help of congress.

Boasting Conrad.

Have Plaindealer.—The Plaindealer, in behalf of the democrats of northern Montana would respectfully request the honorable democratic legislators to carefully look over the senatorial goods presented by this section of the state before making their selection on the senatorship. W. G. Conrad would do just as well in the position as any of those mentioned that has ever then he would not have to go out and get a reputation like the other embryo democratic statesmen from Montana. He is already known in Washington, especially to the press, where he enjoyed a fine run a few years ago as a possible nominee on the democratic ticket for vice president. He would have for an associate his successful rival for that honor, Mr. Kern of Indiana, and together they would make a regular wheel team.

Reapportion Quickly.

Montana Lookout.—It is not difficult why non-resident speculators, seeking profit by lawless achievement and control of government agencies in Montana, should favor a system of rotten boroughs where their influences dominate; but it is difficult to believe that the intelligent and independent people of Montana, regardless of their political affiliations, will tolerate legislative neglect or failure to remedy these glaring injustices and abuses, as provided by the fundamental laws of the state government.

FAST FIGHT.

New York, Dec. 18.—What fight enthusiasts consider will be one of the fastest boxing matches of the new year was arranged today by the managers of the Fairmont Athletic club. It is to be between Packey McFarland of Chicago and Jack Goodman of this city. The boys will meet for 10 rounds at 125 pounds, weight to be made at 6 o'clock the evening of the fight, tentatively set for January 10.

Dr. W. B. Parsons has taken rooms 10, 11 and 12 in the Allen block and will be ready for business this week.

The Blot.

Bozeman Republican Courier.—In the meantime Mr. Ballinger is once more in the spotlight of unpleasantness. And his predicament doesn't help the administration. In fact, this Ballinger mix-up has done more to hurt than anything else and it is sincerely hoped the secretary will save President Taft from further embarrassment by handling in his resignation, an act that would have been received with general satisfaction a year ago.

Proof Positive.

Billings Gazette.—One thing may be put down as a positive certainty and that is that the limit of profitable irrigation enterprises in eastern Montana is far from having been reached.

Permanent Improvement.

Billings Journal.—There are features in city building which count for all time. They are permanent improvements, the cost of which having once been met is never added to except for upkeep. They increase the value of all property, whether adjacent to or remote from them and they add to the convenience and comfort of every resident. They are rightly regarded as being worth the full price paid, or which will have been paid when the warrants are taken up.

A Worthy Measure.

Great Falls Leader.—The most worthy measure yet introduced into the lower house of congress for the session is that of Congressman Pray for the relief of settlers upon public lands of

Silk Hosiery Special

LADIES'—4 PAIRS, \$3.50

Ladies' guaranteed silk hose, Lord & Taylor's, No. 106—assorted colors—special holiday price, 4 pairs.....\$7.50

Party slippers for men and women.

Gold fountain pens with shoes.

MAPES & MAPES