

# Western Montana News

The Western Montana Office of the Standard is at Room 1, Daily block, Missoula. Telephone No. 118. Advertising rates furnished on application.

## GRACE SHOTS BOB

### A Lovers' Quarrel That May Have a Fatal Termination.

## ALL OVER A SHOW TICKET

### The Man With a Knife Makes a Few Vicious Lunges at the Woman, Who Finally Draws a Gun and Fires.

Missoula, March 19.—A shooting scrape occurred last night at the Four-Mile house, a place of resort located about one-half mile from Fort Missoula. Grace Stanton, a mulatto of dissolute habits, is now in the custody of Sheriff McLaughlin charged with shooting Robert J. Davis, chief musician of Company F, Twenty-fifth infantry. It seems that Davis and Grace have been lovers, though at times, it is reported, he would subject her to blows and other acts of violence, whenever he became angered. Last night the trouble occurred over a ticket to the minstrel show given at the Fort by the Georgia University students, last night. He offered her the ticket to attend the show, but for some reason she refused it, and told him she would have nothing to do with the house. He became very angry at this remark and tore the ticket into pieces. She picked up the pieces and after pasting them together offered the ticket to John Wheeling, who was present during the trouble. Davis at once grabbed the ticket and a scuffle followed between Davis and the woman, in front of the house. He knocked her down, but upon regaining her feet, she ran into the house and endeavored to close and hold the door to prevent Davis entering. Davis then, feeling that he was being worsted, drew a knife, and as he forced the door open, made several lunges at her, but the wounds inflicted on her arm and leg were slight.

The woman was now forced to defend herself, it would seem, from one who was after her life, and seizing a .38-caliber revolver, fired it once at Davis, who fell to the floor. He was at once taken to the best hospital, and his wound was soon dressed. He was shot in the right breast, near the second rib and the right lung was penetrated by the bullet. The wound may prove to be a fatal one.

Under Sheriff Curran and Deputy Corbett upon receiving the news of the trouble at once hastened to the locality and placed the woman under arrest. She was brought to town and taken to the Sisters' hospital to have her wounds examined. Inquiry made at the jail to-day developed the fact that she is not much injured and is more resigned than when first taken into custody. Later reports from Fort Missoula this afternoon are to the effect that Davis, the wounded man, is holding his own, and is quite bright.

## THE C. AND G. CLUB.

### Hamilton Society People Enjoy Themselves Hugely on St. Patrick's Day.

Hamilton, March 19.—On the 10th of this month, when invitations to a ball on the evening of the 17th were sent out by the Copper and Green club, everyone who was so fortunate as to receive an invitation began to look forward with great pleasure to the time when the ball would take place. More than 300 invitations were issued and preparations for the entertainment had been in progress for more than a week, so that on the evening of the 17th everything was in readiness to receive the guests of the club and the dances it is safe to say there was not one single dance in which the floor was too much crowded for the comfort of the dancers, notwithstanding the fact that during some of the dances there were at least 50 couples on the floor. The proscenium arch of the opera house was tastefully festooned with copper and green, the colors of the club, and upon the dressing rooms at the back of the stage was draped green bunting upon which were copper letters, "C. and G. C."

At 9:30 o'clock, all the guests having arrived, the Pastime orchestra struck up a march, and the dancers formed in line to execute the grand march, which was led by Mr. and Mrs. Sam Lucas. One of the most interesting features of the evening's entertainment was the waltz for which a prize was offered to the best lady dancer. About 25 couples participated in this dance and it was with some difficulty that the judges could come to an agreement. The prize was, however, finally awarded to Miss Simmons, a very popular society young lady of Hamilton. At 12 o'clock the guests sat down to a sumptuous spread at a restaurant in the building adjoining the opera house, after which the dancing was continued until a late hour in the morning. This dance of the Copper and Green club is undoubtedly the grandest social event of the season and much praise is due to the club for the most excellent manner in which the programme of the evening was carried out.

## HOTEL GUESTS.

Missoula, March 19.—Guests at the local hotels are: At the Florence—L. Hanselman, San Francisco; W. F. Maurice, Los Angeles; A. L. Perry, Chicago; H. W. Harrison, Bonner; J. A. McDonald, Superior; Harry Huser, Bonner; John A. Baker, San Lake City; F. B. Gilmore, Omaha; A. M. Werner, Oakland, Cal.; L. T. Hull, San Francisco; A. Rosenthal, San Francisco; W. H. B. Cole, Portland; Wm. F. Kett, Butte; H. J. Meyer, Omaha; M. Sachs Jr., Reading, Pa. At the Rankin—E. E. Chapman, City; Mrs. Jessie Williams, Victor; B. Hennessey, Clinton; B. Martin, Clinton; J. Elliott, Clinton; Carl Gwin, Clinton; Ella Fleurd, Clinton; Mrs. J. A. Ryan, Clinton; L. Kuhy, Clinton; J. C. Dougherty, Stevensville; T. M. Slocum, Stevensville; H. B. Prentiss, City; John Franks, City; Mrs. and Miss D. E. Warner, Bonner; Henry Torien, Evelyn; W. W. Warner, Sunset; J. M. Warner, Sunset; W. J. Herman,

## NICEST OF WEATHER

### Stevensville Blossoms Out Again With a Batch of Surprises.

## BUSINESS ON ALL SIDES

### Farmers and Fruit Growers Preparing for the Spring Work—Reports From the Curlew Mine—Notes.

Stevensville, March 19.—This town always has some surprise in store for the stranger who ventures within its hospitable gates, either in the way of climate, entertainment or accommodations and not infrequently in the way of all three. The climate just now is the first surprise that greets the visitor. It is a genuine surprise, too. There is so much of it and it is of such excellent quality that the valley seems like a little world in itself. Although there is snow well down toward the foot of old St. Mary's mountain, here in the lower valley the grass is already turning green and in sheltered spots is as bright as it will be in June. In the meadows and in the groves along the river the robins and meadow larks are holding high carnival and, unless March is more than usually treacherous this year, spring is certainly upon the valley in earnest. It has hung off a long time but it seems to be here now.

The small sawmills which run while there is snow enough to sled logs on are about winding up their season's business. Some of them are making their last shipments this week and all of them will have finished by April 1. The McKean mill at Carlton will run nearly all summer, there being a big supply of logs on hand there. The old Silverthorn mill which has been in use above here for so long has been taken down and is being prepared for shipment to Quigley, the new mining camp in Missoula county, where it will be run by Levi Johnson.

The farmers and fruit growers are busy on all sides with their preparations for the spring work. The present indications are very favorable for a good year. There is snow enough in the hills to insure a liberal supply of water for the summer. The spring has been so cold thus far that but little danger is anticipated from the premature starting of fruit buds. There will be an immense number of young trees planted this spring, more probably than in any one previous season. The large majority of these trees will be, of course, standard apples but there will be many peach trees started, last year having demonstrated that the peach is a practicable crop in this valley.

The mining excitement at the Curlew and the adjoining properties between here and Victor has occasioned deep interest here as the Whip-Poor-Will and the Last Chance are almost owned in Stevensville. To a Standard reporter to-day, Amos Buck said: "I have just returned from a drive up to the Curlew mine and I found the prospects there brighter than ever. The more work there is done on the mine, the more ore is found and all of it is much richer than anybody ever thought would be found there. On the Whip-Poor-Will, the tunnel has not yet reached the lead but it is approaching it. From the Curlew side of our claim, the lead has been penetrated for 15 feet and some of the richest ruby silver yet found has been taken from there. On the Ellen, which adjoins the Curlew, some promising work is being done and from the Curlew itself, this week, a carload of first-class ore was taken in three shifts. I think that we will have a lively camp up there this year."

Here in Stevensville and all over Ravalli county, in fact, the people are feeling very much gratified over the announcement made by bankers and brokers that Ravalli county warrants will be bought for par. It is a splendid showing for so young a county and speaks well for the administration of the affairs of the county. In less than four years from the time of the establishment of the county this condition of affairs was brought about.

It is expected that there will be quite an increase in the number of farmers in the valley this year, greater perhaps than that of two years ago when so many "small ranchers," so-called, settled around this place. Already there have been numerous prospective purchasers of the ground and nearly all of them are looking for small farms for fruit-growing or gardening. Frank Thomas of Missoula to-day completed the survey of a large tract across the river, which will be cut into small farms of this class. This is, without doubt, a plan which will greatly increase the prosperity of this valley. Judge Sloane of Missoula, was in town last night on business.

## DEEP WATER PRESSURE.

### Its Effect on a Diving Bell That Was Sent 200 Feet.

From the Pittsburg Dispatch. Lying on its side in Best, Fox & Co.'s scrap yard, like a giant that had met a superior foe in a struggle to the death and gave up the ghost, is the Schon diving bell, that was crushed by the pressure of the water in the depths of Lake Michigan. It arrived in Pittsburg a few days since, and has been an object of curiosity and study to those who know it is here. As it lies now among other scrap, the Schon diving bell looks like a square boiler with slightly tapering ends that had collapsed. Instead of torn metal bending outward, it is crushed in. Bronze metal an inch thick is ripped and torn as one would tear a straw board. In the same manner one of the plates in the angular end was ripped almost its entire length.

The box was planned by Hubert Schenck, a brass molder of this city. It is, or may be called, a cube six feet in dimensions, although the slightly tapering ends increase its height a few inches, but not its bulk. The material is phosphor bronze, five-eighths of an inch thick. Each plate was cast with a flange, and they were bolted together, the bolts being placed as closely together as was consistent with strength. The side plates were further strengthened by ribs an inch thick and two inches wide. There was an opening for a lookout on each. Fitted in these openings were heavy bars, so heavy that openings only three inches square were provided, and back of them were glass plates an inch in thickness. Through these lookouts the explorer in the box could survey everything in sight and telephone to the operators on the surface above.

The makers followed the directions of the inventor, who had estimated that the pressure at a depth of 200 feet could not make an impression on the

structure of his fan, and in course of time it was completed and loaded for shipment to Chicago. On the car it weighed 23,000 pounds. Inserted in the bottom was a short steel shaft two inches in diameter. To this was to be attached weight to sink the box. The box was shipped to Chicago and preparations were made to test the machine off that city, but since the chart showed a maximum depth of 79 feet Milwaukee was chosen.

In the Beer City preparations for testing the Schon bell were completed by Mr. Lutz, Schon and Samuel Harper. Mr. Lutz's representative, floating and towing equipment was secured and a preliminary test was decided upon. The scientists of the city said that one could not remain under water in that space longer than 50 to 60 minutes. They figured that 216 cubic feet of air would be consumed in that time, but Schon, when he went down in it for a test, stayed three hours, smoked, burned matches, and watched sewerage of the city float past him, and then only came up because he was tired staying down.

With this point settled, the more important one, whether or not the vessel could withstand the pressure of deep water, was the concern of the friends of the box. They estimated that, at 200 feet, each side of the box would be subjected to a pressure of 530,000 pounds. The actual pressure at that depth is less. But since that weight could not be piled on each of the four sides and two ends at the same time, the test could not be made above ground. But, so sure was Mr. Schon that the machine would stand the test, he wanted to go down for the practical test. He was persuaded to wait for the second trip.

Finally all arrangements were completed, and with the bell on a big scow and a steam hoister in the fleet, a tug hauled the explorers seaward.

The chart showed that the bed of the lake Milwaukee inclined gradually from the shore and when the tug had traveled nearly 12 miles the depth of water was considerably more than 200 feet. A pressure gauge made for the purpose was attached to the box. Lashed to the chains attached to the end was a scantling, projecting several feet to either side. Ropes were fastened to this to prevent the cage from swinging or twisting. Inside two stringers, 8x6 inches, were fixed across the box just below the windows to add to the strength of the heavy metal sides and assist in coping with the pressure under the water. A long-distance telephone was also put in working order, and the box was closed. Attached to the steel bar in the bottom was attached 5,000 pounds of metal, but this was found insufficient to sink it, and 1,500 pounds of chain were added.

Then the word was given, and the engineer allowed the big bronze box to pass from view. A brief stop was made to weigh the entire outfit under water, and the result was a showing of 500 pounds. Here was a hollow cube of six feet, weighing, all told, 39,190 pounds on the surface, reduced to 500 pounds submerged, indicating that the weight of water displaced was 26,000 pounds, or 13 tons.

Again the thing was started bottomward. Each of the ropes attached to the scantling was marked at intervals of 25 feet as a check on the depth reached. Down, down, it went, but it was not very long before some one saw the telephone come speechless to the surface. It did not need to be heralded; everybody saw it and knew what it meant. Then, as if all the seltzer and soda water bottling tanks in the National Association had been let loose, the water commenced to efferesce and sparkle, and presently a great bubble of air burst, and all was over. The word to hoist away was given, and the ill-fated box was brought to view again.

One of the heavy oak timbers was driven into itself and splintered to match wood. The inch-thick plate glass was almost pulverized. Mr. Harper says that according to the ropes, the machine was down 200 feet, but the gauge showed a pressure of 90 pounds, which, if it registered correctly, indicated a depth of 228 feet. But on this a basis of 200 feet, the pressure that crushed this seemingly invulnerable phosphor-bronze structure was 86.8 pounds per square inch, or 333,924 pounds to each side of six feet square. The total pressure, therefore, was 2,723,568 pounds, or 1,361.7 tons.

It seems incredible that with the extraordinary strength of the bell it should be so crushed. With contrivance that would withstand the pressure of deep water it was Mr. Schon's intention to use it in locating wrecks, and afterward, by the use of the telephone, to direct the work of wreckers on the surface, either in grappling for cargo or in placing lighter chains about the bulks of vessels.

In the ordinary diving dress divers seldom work in more than 100 feet of water, at which depth the pressure is 43.4 pounds per square inch. It has been claimed that a diver attempted to descend to the wreck of the Elbe, the Atlantic liner that lies in the English channel in 240 feet of water; it was brought up almost unconscious from 170 feet, where the pressure was 73.75 pounds per square inch, a pressure that few can experience and live.

J. Schneider of this city, a hydraulic engineer of wide reputation, says apparatus can be constructed that will do the work intended for the Schon machine. He suggested, when consulted, that it be made either in the form of a sphere or an ellipse, for the reason that the pressure cannot get the same action as with a cube, and that the shape he suggests will withstand a much greater pressure than the cube form.

He also suggests that, instead of large barred windows, a glass having magnifying power could be used, that would penetrate the water a greater distance than the eye unassisted. This glass could work in a swivel, to enable it to sweep a large field.

## NEWS OF THE CITY.

Edward Addison of 927 Sharp street, Baltimore, has a female Newfoundland dog which, for several weeks, has been nursing four kittens. The dog's family of puppies died recently and she seemed to become wild over her loss. She would howl at night until it was thought she would have to be killed. Afterward Mr. Addison received two kittens from the country, which he intended to raise for the purpose of catching rats, and two more were added to this number. Soon after the kittens arrived he noticed that the dog was much more composed and later he found that she had adopted the kittens as her own, caring for them as she had cared for her puppies.

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