Drainage Matters By R. E. Grinstead

along the Nemaha river, where be the case no difference where levels have been taken, by dif- the new channel may be. At the conditions again take place.

clines in the rock formation were think or say. less violent, then the perpendic- My desire is to show that we the channel.

years ago, when U.S. Surveyor solved. McMannus meandered the Nema- Referring to Maj. Burbanks hariver, as the same appears in question, propounded in his the government field notes, now very interesting letter to the in the deputy county surveyor's Falls City papers, I beg office. At this time the native leave to say that his proposition prairies and in times of excessive with the drainage question, is in filling it up several feet in more City are interesting problems. recent years.

a mile quoting from these same with every citizen. the bend is another rapid.

I make the quotations from M. railroad were a perfect level. formations as before, but others kodak towards you, and will re- Spence Foster of this city, will games of the season.

At several different places not hitherto exposed. This will ferent persons, the gradient is time we speak of the fords and not less than 10 ft per mile. On crossing places in the river were account of anticlinal or sinclinal at these rapids and were numerformations in the underlying rock ous. As the field notes show, strata, which sometimes brings Dundee's bend is about five-eights the top of same to the height of mile around and one-sixteenth bottom of channel; then the fall mile across, if a channel were cut is modified by this, both above across the bend. This rock exand below where the same occurs; posure would be apparent all the below this the fall is greater and way, also above and below, after above it is less than the average the new channel shall have atfall. This prevails for some dis- tained its growth, which will not tance each way when normal be very long. I am not locating ditches. This will be the work If at any place along the course of a topographical engineer, and of a stream the forces of nature will be located at the right place which originally caused anti-regardless of anything I might

ular fall in the stream, if the have a practical problem before forces were less violent, then we us. We have a fall much greathave rapids with the underlying er than any tributary of the Misrock coming up to the botton of souri river coming in from the east side where these same prob-The condition prevailed forty lems have been successfully

grasses covered all of the high of a water power in conjunction floods the water went into the part what has induced me to disnatural channels and waterways cuss probable geological formanot laden with silt, as it does tions at the bed of the Nemaha veal your idenity in a way that start in the races at Hiawatha now, since the alluvial soil comes channel; and, in my opinion, the will be unpleasant even for us to down into the Nemaha, where it possibilities along the line he has look at. When a peacock struts encounters the brush from the indicated, and also that of fur- he only sees his own gaudy feathwoodman's axe, and other debris nishing, water economical and in ers. Others, however, see more when gravity sends it to the sufficient to meet any desirable than that of him. When he is bottom of the channel and thus and expectant growth of Falls stripped of his plumage he hides

At this time, however, to re-To illustrate, near the center claim the overflowed lands of the of sec. 12 at Boyd's bend for 3% of county is the paramount issue

government field notes, is a con- The mouth of the Nemaha riv- Mrs. Dunn of Williamsville was tinuous rapid. West end of sec. er is three miles from the B. & in town Wednesday. She in-20 in Falls City two is another M. depot at Rulo and is not less forms us that her son, Byron had rapid. In sec. 21 is a perpendic- than seventy-five feet below it. the misfortune one day last week icular fall of four feet, and in the The B. & M. depot at Salem is of severing an antery on the next two hundred feet is a rapids fifteen miles from Rulo. Low thumb of his right hand, from making total fall of seven feet at water mark at Salem is about which he lost so much blood that this place. And immediately at fifteen feet below the depot; leav- it caused him to faint away. He the bend McMannus records a ing sixty feet, which divided by is however much improved at this ball last Sunday; this time from mill site. At the lower end of fifteen miles would make four time and the wound will soon be feet per mile, even if the B. & healed up.

field notes to perpetuate a truth- I mention this to silence a cerful tradition of the condition pre- tain individual of Falls City who vailing at that time. And also has been saying, with an air of for the purpose of saying that wisdom, that the Nemaha valley when a new channel is made and has a fall of only two feet per the river shortened, the increased mile. Some men may give credvelocity of the water will, by the ence to this story to the disadprocess of erosion, make the vantage of all. I aesire to say to channel deeper than it ever has this man: "Cease to talk about been in recent years, and will ex- things of which you are not conpose not only these same rock versant," or we will turn a little horse owned by J.M. Nausler and it promises to be one of the best



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out, and can't be found again until his plumage returns.

Yours Truly R. E. Grinstead.

An Ugly Cut.

New Barn.

J. S. Hillyard is building a large barn for Wm. Chapman at his feed yards west of the Farmers hotel. Mr. Chapman found it necessary to make this addition in order to better accommodate his large feed trade.

Col. Weaver to Start.

July 4th. This horse has developed great speed this season and a bright future is in store for he and his owners.

Geiger's Violins Best.

C. E. Davenport of Omaha has been in the city this week, overhauling some of the vault locks in the local banks. Mr. Davenport is an old violin maker and always calls on Joe Geiger when in the city. He pronounces the violins made by Joe to be among the best he ever tried. He now possesses one of them and is justly proud of his possession.

Colts Win Again.

The Colts won another game of Tecumseh, by a score of 6 to 4. Owing to the late arrival of the train, the Tecumseh boys did not arrive until five o'clock, but they were ready to go to work as soon as they arrived, and from the first it was seen they were outclassed, although they put up a stubborn fight for the supremacy. This makes ten games the Colts have played this season, winning eight of them. They will play Col. Weaver, the black pacing with Atchison next Sunday and