

## Work at the Big Smelter.

A Union representative dropped in on Dr. Knutson at the smelter this week and found that gentleman and his men making things hum, so to speak. While most of our people have either visited or read about the smelter, doubtless many outsiders have not, and a partial description of its workings may be of interest.

The National smelter was completed a year ago last spring by the National Smelting company. It is built all of iron and steel, resting on massive masonry in a depression in the ground where vast excavations were made to receive the walls. With the natural depression and excavations the building stands with scarcely any free board. In other words it is almost hidden from view. It embodies many new and novel features which were designed by Dr. Knutson, one of the most striking of which is the zig-zag dust chamber, from the smelter furnaces to the smoke stack situated on top of the hill. There are two furnaces, one of which was originally for lead but which has been converted into a matte furnace since the smelter's purchase by the Horseshoe company. The plant is very complete in its design, and all ore and other material used in a charge may be handled entirely by gravitation. One of the novel features of the plant is its system of slag discharge. As the slag comes from the furnace it is dropped into running water which converts it into fine sand or gravel. This is carried by the stream entirely away from the plant, and may, when desired, be delivered into cars on the siding near the smelter. The North-

western company has arrangements whereby much of this material is to be removed for use as ballast in the building and repairing of the company's tracks.

The Penobscot Mining company, which has been sending its high grade ore to Denver for treatment, are preparing to ship to this point, as a big saving in transportation charges can be made. The company owns a cyanide plant at Maitland, but their high grade ore is too rich to cyanide.

The smelter is at present securing its flux from the Montezuma and Whizzers mines of J. T. Gilmore and others in Deadwood gulch just above the city limits of Deadwood. This flux contains a large percentage of sulphur and iron and a small amount of copper, which makes it admirably suited to the purpose for which it is used.

### GRAND JURY.

The grand jury, which has been in session in Deadwood, has returned two partial reports, with seventeen indictments. Among those who have been indicted are John Nevins and Carl McFarland, robbery in the second degree; T. C. Grace, assault and battery; Frank Brandstrom, grand larceny; John T. Mathias, rape; Thomas Hawyard and Jacob Outie, shooting at another with intent to kill. Others against whom true bills have been returned are not in custody and their names are withheld.

McFarland and Nevins are charged with holding up Ole Nyla at Lead and by force relieving him of \$25 in gold and silver. Grace is

alleged to have struck Walter Barker with an ax handle in the head during an altercation over mining ground, and was charged with assault with a dangerous weapon, although indicted for the lesser offense. Hawyard shot David Horn through the body in a boarding house at Maitland several months ago while quareling over Horn's wife. Outie shot John Conway twice in the latter's saloon at Roubaix. Horn and Conway both recovered. Mathias' case is from Bear gulch, in the western part of the county, Miss Ida Waddington being the complaining witness.

### OLD TIMES RENEWED.

Pioneer-Times: The presence in Deadwood during the American

Mining Congress of Moses Manuel and J. J. Bump recalls two important incidents in the history of the Black Hills. The incident with which Mr. Manuel was connected may be said to have been a determining feature of the future prosperity of the Black Hills, namely, the discovery of the Homestake mine. Mr. Bump was connected with the disposition of the slayer of Wild Bill (J. B. Hickok).

Moses and Fred Manuel were the original discoverers and locators of the Homestake in 1876. The latter died about four years ago, and Moses Manuel now resides at Helena, Mont. It is well known to the old residents of the Black Hills that the famous mine took its name from the exclamation of one of the brothers as he witnessed the rich

result of a panful of the rock, after being washed out, declaring that at last they had found a "home-stake," which in the vernacular of the prospector signified enough to go home on.

Mr. Manuel has with him a pin that was manufactured from the first gold of any quantity taken from Homestake ore. This gold was extracted in an arastra. Deadwood citizens have tried to prevail upon Mr. Manuel to leave the pin here as a memento of the discovery of the Homestake mine. He has, however, turned a deaf ear to the entreaties and declares that money would not induce him to part with the bit of jewelry.

Mr. Bump, on the other hand, is one of the few remaining men who served on the provisional jury that tried John McCall, the murderer of J. B. Hickok. He was the last of the jurors to consent to a verdict of acquittal, as he had been a close friend of Hickok and had favored the punishment of the assassin. He is at present making his home in Rapid City, having returned to that place some three months ago after an absence of many years.

Mr. Bump was the original locator of the Deadwood townsite. He says he found all the placer claims taken when he got here, and he accordingly took the next best he could find—the townsite. He failed to locate properly and the site was jumped by Lee & Brown. Mr. Bump afterwards located a townsite at Gayville, then took part in the location of the townsite of Spearfish, and subsequently of Central City. He is of the opinion that had the gulch been cleared of dead and down timber from Deadwood to Gayville, as it was from the valley as far as Deadwood, the principal city would have been located at Gayville.

### DROPPERS EXONERATED.

President Garrett Droppers, of the state university, and Prof. C.

M. Young, of the college of arts and sciences, have completely exonerated themselves before the board of regents of the charges made against them. The board of regents also accepted the resignation of J. E. Todd, professor of geology and mineralogy, which was tendered, and also the resignation of F. R. Merchant, professor of Latin and Sanscrit, which was tendered a week ago.

The two professors who resigned were supporters of the charges made by D. H. Boot, of Ute, Iowa, of the class of '91, who alleged that President Droppers had offered him a price to give testimony against Prof. O. E. Hagen, shortly before the latter tendered his resignation. Boot alleged that his reward was to be a degree at the end of 1901 without remaining in the institution to study.

It is expected the result of the investigation will be the restoration of complete harmony among the members of the university faculty.

### NEW FOREST RESERVE.

Butte county has a forest reserve of her own these days. A Washington dispatch, dated Aug. 28, states that the commissioner of the general land office has withdrawn from public entry, for forest reserve purposes the following lands: In the Cave Hills, 23,640 acres; Slim Hills, 53,760 acres; Short Pine Hills, 18,920 acres a total of 106,320 acres. The local land office will probably immediately issue a list of the lands withdrawn. With forest reserves state school and education lands, and government lands that cannot be fenced, Butte county will have but little left for settlers seeking a home. Captrin Seth Bellock will probably have this reserve added to the present Black Hills reserve that is now under his jurisdiction.—Belle Fourche Bee.

A dispatch from Lamar, Colo. says that Dick Creaghe broke the world's record in a five-mile cowboy relay race, in 9hrs 45min 2-5sec. The record was previously held by Matson String, and was made in 10:01 during the state fair at Pueblo.



GENERAL LUKE E. WRIGHT.

General Luke E. Wright, the present vice governor of the Philippines, who will succeed to the governorship upon the retirement of Judge W. H. Taft to assume the secretaryship of war, is one of the most prominent lawyers of Tennessee. Entering the Confederate army at the age of fifteen, young Wright served to the close of the civil war, when he studied law, was admitted to the bar and in due course was elected attorney general on the Democratic ticket.

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