

The geology of Missouri presents and contains the most complete geological cabinet, from the Archeozoic to the Quaternary deposits. Porphyry, granite, greenstone, and trap rocks; also, so, limestone and marble of excellent quality, affording an abundance of building materials; and clay, well adapted to the manufacture of brick and earthenware, are generally diffused. Fire rock is also extensively found, with limestone yielding hydraulic cement. The workable coal areas of Missouri is estimated at over 21,000 square miles. Prof. Swallow justly remarks: "In our efforts to estimate the economical value of our vast deposits of the

most useful mineral, we should bear in mind the position of these beds beneath the soil of one of the richest agricultural regions on the continent, within a State whose manufacturing and commercial facilities and resources are scarcely inferior to any, and adjacent to the Missouri river and the Pacific, the North Missouri, and other railroads. With all these advantages of location, the certainty that these coal-beds can furnish 100,000,000 tons per annum for at least 1800 years to come, is a fact of no small importance to the State.

"Iron stands preeminent among minerals

in its influence upon the power and prosperity of a nation. Missouri possesses an inexhaustible supply of the very best ore of this metal, and all desirable facilities for becoming the great iron mart of the Western continent. Iron Mountain presents mass of this ore, nearly pure, 200 feet high and covering 600 acres.

"In Dent county, near Salem, arises the Simons iron mountain. Its ore is said to yield about 70 per cent. of metallic iron. Large deposits of specular and brown hematite iron were discovered near the Meramec river, in Phelps and Crawford counties.

Silicious specular oxide of iron exists in large quantities at Pilot Knob, and magnetic ores are found at Shephard's Mountain. Hematites, of good quality, are discovered in large deposits in the magnesian limestones, while bog ore is extensive in the swamps of Southeast Missouri.

"Next to iron, lead is the most abundant metal in the State. Miners have chiefly sought superficial deposits, where the ore could easily be reached with the pickaxe and spade. Mining by the systematic process, which science teaches will probably develop far richer deposits than any yet known."

bound. The Southwest promises to be one of the best lead regions in the world. A Granby, in Newton county, the lead comes to the very surface of the ground and mining at this point has been successful beyond precedent. Hundreds of shafts have been sunk and are yielding large profits. The amount of mineral smelted in this county in 1870 was 2,163,860 pounds of lead, a being shipped in St. Louis.

"In Franklin and Washington counties some rich lead deposits are systematically worked, and feeding numerous furnaces and at 'Mine La Motte,' in St. Francois county where one of the richest

lead was discovered, two furnaces smelt annually over 4,000,000 pounds of lead. The total amount of lead produced in Missouri in 1860 was over 14,000,000 pounds, having an aggregate value of about one million dollars.

"Tin, copper, nickel, cobalt, barytes (U.S. smery, granite, marble, limestone, kaolin, plastic and fire, clay, paints, hydraulic cement, gages, Jasper, are also among the treasures which the Creator has liberally spread over the southeastern part of Missouri. In Jefferson and St. Genevieve counties, white and is found of a superior

WHAT WILL TAKE THE SCENT OUT.—Sitting on the piazza of the Cataract was young, foppish looking gentleman, his garments very highly scented with a mingled odor of musk, bay, and sandal-wood. For several times, with a look of aversion which drew general notice, suddenly stopped, and in a confidential tone, said:

"Stranger, I know what will take the scent out of your clothes; you—"

"What! what do you mean, sir?" said

"Oh, get mad, now—swear, pitch round fight—just because a man wants to do you a kindness?" coolly replied the stranger.

"But I tell you I do know what'll take out that smell—*phew!* You just bury the clothes—bury 'em a day or two; Uncle Josh got aful of a skunk, and he—"

At this instant there went up from the crowd a simultaneous roar of merriment and the dandy very sensibly "cleared the coop" and vanished up stairs.

**PLAIN TALKING.**—A village parson having been in his sermons taken too exalted a pitch in the comprehension of his auditors, and found it necessary to make apology, which he did as follows :—  
**"Respected Friends—**My oral documents, having recently been the subject of your vituperation, I hope it will not be an instance of vain eloquence or supererogatory, that, if I laconically promulgate, thence, avoiding all syllogistical, arithmetical, periphrastical propositions, all hyperbolic exaggerations and extenuations, whether physically, philosophically, physiologically,

The Paris papers are amusing their readers with the Shah of Persia. - His Persian Majesty travels with 80,000 kilograms of luggage, not including his horses, one of which, the royal charger, has his tail dyed red! The Shah makes costly presents

all the princesses he comes across, The Queen of England is to receive a necklace of brilliant worth half a million. According to the Koran, he is forbidden to tread any other soil than that trodden by Muhammad. To remedy this little drawback the Shah has ingeniously placed a living earth of his own country between the soles of his boots! He never uses a pocket-handkerchief twice, and when he has done with it he throws it away. These and other statements equally extraordinary are now going the round of the Paris press.

BRIEF AND POINTED.—Edwin, a once popular English actor, is credited with the authorship of one of the briefest and most effective sermons ever delivered. His text was, "Man is born to trouble, as the sparrows fly upward," and this was the sermon: "First, man's ingress into the world; secondly, man's progress through the world; thirdly, man's egress out of the world, and—  
First—Man's ingress into the world—naked and bare.  
Secondly—His progress through the

world is trouble and care.  
 Last—His aggress out of the world is n  
 body knows where.  
 If we do well here, we shall do well ther  
 I can tell you no more if I preach a yo

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Matthew Browne tells the Englishmen  
 what is the matter with them: "While  
 have been turning our eyes," he says, "e  
 on the more obvious and vulgar evils  
 attendant upon the free use of alcohol,  
 have been overlooking the insidious acti  
 of a bland and peaceful liquid which h  
 been sapping the foundations of manho

and honesty. Alcohol sends a few to the mad-house. But ten acts through the nervous system upon the conscience and turn us into a nation of snorks."

They have found out in Dublin how to keep horse-car conductors from cheating. Each passenger on paying their fare receives a numbered ticket. Once a month the railroad company announces a drawing, and holders of some three hundred of the lucky numbers get prizes varying from one shilling to ten pounds.

Conundrum from the Chicago Tribune:  
 "Why is it that lightning never strikes  
 gun grinders, that they never fall into  
 river and get drowned, that they ne-  
 ver starve to death and are never bitten by  
 dogs?"









