knowledge concerning the productive causes or the creative forces which, by their action, gave these important productions as a result and until this can be more positively established and is better understood, all discussion and conclusions in regard to the magnitude or permanence of the supply must be problematical and unsatisfactory. Our own opinion, in regard to this matter, is that the creative forces of nature are ever present and ever active; that the creative and ore treatment during the past-few years, period is never ending, and wherever favor- when its immense magnitude is fully comable circumstances exist the union of chem- prehended, will not prove to be a very strong ical elements, according to established laws and affinities, will unite and produce their prevailed, or the management and skill of diversified product and results.

"Since the days of '49," writes an author-understand that a union of practical and ity, "prospectors have mistaken mica, or theoretical knowledge is most to be desired, three constituents of which granite is coma prominent constituent in granite, gneiss, any purpose. The wider the range of in-and mica-schist. We find it again in our formation, the more comprehensive the soil, formed from the disintegration of the understanding, the deeper the insight and standpoint, common mica is called 'botite,' which ir a magnesia-iron mica, part of the alumina being replaced by sesquioxyd of manner. iron, and protoxyd of iron and magnesia some mistakes and some losses have ac-existing among the protoxyd bases. Black crued from the inexperience of scientists and is the prevailing color, but brown, green, experts, but the mining territory from Alasyellow to white also occur. Prisms, com- ka to Mexico is covered with the monuments monly tabular; often in desseminated scales, of inexperience and ignorance, erected at a sometimes in massive aggregations of cleavable scales. The hardness is 2.5 to 3. Now men claiming to be practical. Practically, note the specific gravity, which ranges be- notwithstanding the wonderful results, the tween 2.7 and 3.1; while that of gold raises mining territory has been one vast scene from 15.5 to 19.5; according to its purity, of costly experiments; and to-day even the In countries where mica-schist abounds, present methods, as great as is their imyellow mica in the sand is very abundant, provement over those of the past, are by no and often deceives the eye of the prospector means creditable to the intelligence and in his search for gold. This silvery and advancement of this century, as shown in golden mica in scales is the 'cat-silver' and the activities of every other industry. We 'cat-gold' of Mediæval Europe. Others misarsenical pyrites are mistaken for silver; and appliances prevail that would ruin any this last, in fact, is a very common mistake, other business not so prolific in resources, even in old camps. Gold is sometimes. The bleaching bones of thousands of enterof gold is 2.5. It occur commonly in cubes, the treasure-houses within their limits, all whose civilization is the most ancient of which usually of a brass color. The cubic faces show the uselessness of attempting to pro- we have any knowledge, were at an early period ing faces at right angles. Chalcopyrite is a necessity for a wiser management, a more double sulphurate of copper and iron of a comprehensive knowledge, and the inaugrabeen used in the construction of the pyramids. brass-yellow color and metallic lustre; on tion of new methods in developing the vast. In the sepulchres at Thebes and Memphis cities of such great antiquity, that their origin is less. exposure to moist air it becomes iridescent, mineral resources of our country; which of such great antiquity that their origin is lost, on its surface. It is easily scratched with a will some day, when these questions are butchers are represented as using tools which on its surface. It is easily scratched with a will some day, when these questions are hutchers are represented as using tools which knife, giving a greenish black powder. It practically met, give results that will astonist the principal ore of copper at the Cornish and outshine the most flattering and steel. Iron sickles are also pictured in the tombs at Memphis, and at Thebes various wall mines. Arsenopyrite or mispickle has wonderful statements yet recorded in the articles of iron have been found which are prea hardness of 5.6, and is very brittle; of a history of this great industry.—Chicago metallic lustre and a silvery-white to steel Mining Review. gray color. This metal occurs in small particles in the partly oxidized ores of this! Miners returning from the Lorne Creek mines, Pyrites, being brittle, are readily reduced to lowing to the continued high water.

powder before the blow of the hammer, Phosphate Shipments from Montreal for while gold and silver in their native state Season of 1886. while gold and silver in their native state will flatten."

As much as the miner may oppose the scientist and the school-taught expert, there is much reason for a larger increase in knowledge in every branch of mineralogy and The history of the loss and metallurgy. waste in connection with mining operations support in favor of the methods that have those directing them. Those who more fully comprehend the question, clearly 'fool's gold,' for gold itself. Mica, in nature, and that neither the theorist and student, or is very abundant; it is met with in every the practical miner or mill man, can afford camp; we are brought face to face with it to ignore the other. Every increment of in every mountain range as its forms are of knowledge, from whatever source, or however gained, is an additional element of posed (mica, quartz and felspar). It is also power to be used in the accomplishment of a prominent constituent in granite, gneiss, any purpose. The wider the range of inabove named rocks. From a mineralogical investigation, so much better fitted and more valuable is the possessor to accomplish the best results in the most economical It is more than probable that vast expenditure of time and money, by take iron and copper pyrites for gold, and ment in this direction, where such methods found in a finely divided condition in py-prises lost in this desolate desert, and the rites, but vast masses, or perhaps it would stagnation that hangs like a gloom over so be better to say mountains, of it in Califor- many promising localities, the indifference place of the human race, and in the northern nia and Colorado do not carry a trace of of capital to the most alluring stories of parts of Africa, which are near to Asia. The gold. Pyrite or bi-sulphuret of iron is very glittering wealth, the lanquishing camps Egyptians, whose existence as a nation probably brittle; its hardness is about 6.5, while that that appeal in vain for assistance to open dates from the second generation after Noah, and are often stricted, with strictions of adjoin- ceed by old methods; and the imperative familiar with the use and manufacture of iron.

camp, and is very often mistaken for silver. B.C., report a very unfavorable season there

Dat	e.	Shippers.	Ship.	Destination.	Tons
May	32	Wilson & Green	S. S Oxenholme	Liverpool	3
June	33	Lomer, Rohr& C	ilto Rhina	London	3
- 44	- 1		Bq. Rhine S. S. Ashton	Sharones	2
**					
44	11	Longer, ' ohr & C	oS. S. Lake Leman S. S. Berbice S. S. H. Bedington Brig. Mose Rose S. S. Carmona S. S. Benbrac S. S. Cairo S. S. Cairo S. S. Coenholme Baj. M. E. Seed. Haj. M. Mitchell S. S. Benison S. S. Ed King. S. S. Pracona S. S. River Judus	. "	5
	12		S.S. Berbice	Liverpool.	ì
	10		SSM. Bedington	London	3
- 66	20	44 44	ling, Mose Rose	1	
44	70	Wilson & Green	S. S. Penberg	Liveryool	4
July	32	Lomer, Rohr & C	o S. S. Cairo	London	
	7	"	S. S. Oxenholme	Liverpool	7
44	13	Wilson & Green .	. Bq. M. E. Seed.		5
**	13	. "	. Itq. M. Mitchell	46	ī
**	15	Lomer, Rohr & C	o S. S. Benison	l. " I	2
44	22	Wil 6. C	S. S. Erl King.	London	3
- 44	24	towns Daby & C	S. S. Dracona .	Avonmouth.	4
Anc	30	Wilson & Creen	ola. a. Acton	Lingson	. 5
Aug.	- 21	W. M. Knowles.	יווייייייייייייייייייייייייייייייייייי	ib.v	5
44	7	Wilson & Green .	.[S. S. Juliet	I.ondon	;
44	10	**	S. S. Juliet S. S. Kehrweider	Hamburg	
44"	9	Lomer, Hohr & Co	S. S. Benacre	llarrow	ž
**	11	W. M. Knowles.	. S. Bonhope	incussor	2
**	12	comer, Rohr & C	S. S. Rehrweider, S. S. Benacre S. S. Bonhope S. S. Carmona. S. S. Crete S. Princes Bd. Ferggerson S. Consolutor.	rondon	1
**	::1	44 44	S Prince	Livernosi	3
44	:	44 44	Ba. Feregerson	Landon	3
**	20	Wilson & Green . Lomer, Rohr & C	S. S. Cononbury.		2
44	20	Lomer, Rohr & C	0	" i	_
**			S. S. Oxenholme	Liverpool	6
**	26	** **	S. S. Plessey	London	4
	26		5. S. Benbrac	Liverpool	4
Sept.	ij	R. C. Adams R. C. Adams	S. S. Oxenholme S. S. Plessey S. S. Benbrac Bq. M. C. Smith S. Parthia	Dellast	
44	;	Lomer, Robe & C	17. Farma	erreiboor	3
44	;	Lomer, Rohr & C. W. M. Knowles.] "	**	2
**	3	Gillespie & Moffat	S. S. Emiliau	••	2
**	اد	Gillespie & Moffat Lomer, Rohr & Co Millar & Co Wilson & Green . Lomer, Rohr & Co) "	**	2
	3	Millar & Co		".	1:
••	31	Wilson & Green.	S. S. Dunholme. S. S. Clare. S. S. Cotherston	,	2
44	0	Wilson & Come & Co	ile e Cham	Longon	3
**	ا۾.	Lomer, Robe & C	S. S. Cothenton	٠.,	3
	18	••	IS. S. Grafton		4
46	24	: :	S. S. Grafton S. S. Berbice S. S. Fernholme.	Glasgow	2
••	24		S. S. Fernholme.	London	,
Oçı.	29	11 11	S. S. Concordia . S. S. Oxenholme	Glasgow	•
**	~1		S. S. Oxenholme	Liverpool.	5
••	9	W. M. Knowles.	ee w	,	2
**	121	will voil of	IS S H	Antwerp	8
44	:3	ii ii	S. S. Eri King	*****	3
**	22	Wilson & Green .	S. S. Phernician	-4	6
44	26	Lomer, Rohr& Co	S.S. Wandraham S. S. Herton S. S. Ert King S. S. Phænician. I.q. G. Metzler S. S. Alcides	Belfast	- 4
Nov.	3	44	S. S. Alcides	Glisgow	10
14	3	Wilcon & Green.	S.S. Ocean King S.S. Ocean King S.S. Gothenburg	. : !	35
	3)	Longer, Kohr & C	3.5. Qcean King	London	34
4.	21,	Wilean Ca Car	15.5. Comenburg	1	34
• •		Lamer, Rahrada	S S. 1230000 311	Autuem	3:
44	::/	" "	S. S. Carmonn	London	1.
**	::/1	Wilson & Green	S. S. Scetland		39
**	101	Lomer, Rohr & Ce	S.S. Gothenburg S.S. L'aurawall. S.S. Carmona S.S. Sociland S.S. Montreal	Liverpool	3
••	الؤه	R. C. Adams			20
44	20!	Wi wn & Green.	S. S. Carmona S. S. Scotland S. S. Montreal S. S. Invermay	Sharpness .	18
**	so;(Tillespie & Moffatt		. 1	
	1		1 1	į.	
			l Total Silpments	or 12261	18,9
		W. M. Knowles. Lomer, Rohr &	OUND IN BAGS.		

Iron Amnong the Ancients.

Total lage. 1,760

Iron was first used in Western Asia, the birthparts of Africa, which are near to Asia. Iron tools are mentioned by Herodotus as having been used in the construction of the pyramids. tombs at Memphis, and at Thebes various served by the Historical Society at New York, and are probably three thousand years old, Thothmes the First, who is supposed to have reigned about seventeen centuries before Christ, is said in a long inscription at Karnak, to have received from the chiefs, tributory kings, or all (?