VOL. XXXIV-NO. 6458.

SAN DIEGO, CAL., SUNDAY MORNING, DECEMBER 2, 1888.

PRICE FIVE CE

MINES AND MINERALS.

Valuable Substances Known to Exist in This County.

RICHEST TIN ORE IN AMERICA.

Gold, Silver, Copper, Iron, Asbestos, Gypeum Pottery and Porcelain Clays, Nickel, Salt and Other Valuables

Few citizens of San Diego appreciate the value of, or realize how vast in extent are the mineral resources of our country. At the present time it is unwise to make any such statements, but a few notes on the minerals new known to occur in the county may be of interest. The list may not be taken as a complete one, for it is possible to give only a superficial treatment of the subject until such

time as our numerous mines shall be actually developed.

Alum occurs as an incrustation at the
mud volcanoes and on rocks in several
localities, and the water of numerous
mineral springs in the mountains and on
the desert is found to be slightly imprograted. pregnated.
Actinolite was found in large quanti-

Actinolite was found in large quantities in the Pacific mining district, where the beautiful green crystals are not rare. It also occurs sparingly, so far as observed, in other parts of the county.

Asbestos is found seven miles east of Elsinore, where a four-foot vein exists and is now being worked, and boiler coverings, etc., manufactured for the coast and Eastorn markets.

Horablend seems to be very sparingly distributed in the county.

Anglesite (sulphate of lead) I believe occurs in some abundance in the Pacific mining district.

mining district.

mining district.

Apatite (phosphate of lead) is reported as found in San Bernardino county, near the San Jacinto Tin Mining Company's

property.

Aragonite.—A curious form of this, apparently, was found in June last in the Colorado desert, occurring in veins and

radiating masses.

Arsenopyrite, "mispickel," occurs in the county rich in gold, and in uncommon masses, but the locality is not known to me.

Azurite, or mountain blue, occurs sparingly in the Pacific mining district, but I succeeded in securing some fine specimens. This most beautiful copper ore may be considered with us an an indication of silver.

Borax probably occurs in abundance in the county, as it does in San Bernardino

the county, as it does in San Bernardino county or the Mojave desert.
Calcite is found in numerous forms in greater or less abundance. Thinolite occurs on the Colorado desert, as also cal-

careous spar, tufa, etc.

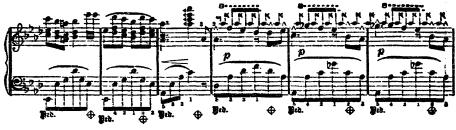
Marbie of fair quality is found near

San Jacinto.

Cassiterite (cinoxide of tin) occurs in Temescal mountains. San Remardino county. This is the only locality in the United States where tin ore occurs in quantity to be of any prospective value for mining. The importance of this deposit, believed to extend into this county, can scarcely be overestimated, and its devalument should be bastened. Its devalument should be bastened. relopment should be hastened. Its de velopment has hitherto been retarded by unfortunate litigation, now, I believe, at

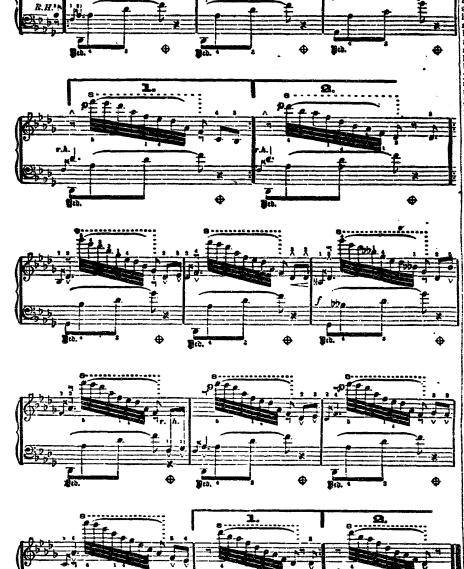
VISITATION CONVENT BELLS JACOB KUNKEL











Repeat from the beginning to FINE. requires a great deal skill in Iceland to ma

unfortunate litigation, now, I believe, at an end.

Cerargyrite (chloride of silver) may be detected in some of the ores from the Pacific mining district.

Cerusite (white lead, carbonate of lead, etc.) occurs with the gold and silver ores in the Pacific mining district—its pressing the Pacific mining district—its pressing a minication of silver.

Chalcopyrite is found in the county and is a valuable copper ore, but I have not yet recognized it in my specimens from the county. nardino county, in Arizona, in Lower Cal-

produced only by the Elsinore mine in

Limonite occurs near Elsinore.

Magnetite (magnetic iron ore)

Dendrite, poetically termed "footprints greatest abundance probably in the sec of the fern," is abundant in the Red ond beit named. Lead, copper and some Cloud mine, Pacific mining district. It is other metals in the last named.

to premise the greatest returns in silver, with an encouraging percentage of gold State, is in my cabinet, having resigned quartz, and prospects of an unlimited va-its former position on the Colorado desert, riety of minerals. Iron will be found in

WHAT IS LACKING.

Section of section of the contract of the cont Unfortunately notes made at the time are not at hand, hence I am obliged to omit details in general concerning the mines of this district. But, when we consider the extent of the ore deposits in

a wife. The Kath women doomed to a life of tall a

[San President of Thomas on Reed, of Maine, was interviewed last night on the subject of the great Espublican victory. What legislation with the standard in the

pliehed, but in the Firty-first Congress, when both houses will have, a Republican majority, I believe their a tariff bill will be passed which will reduce the surplus, if there is say, without himing the great manufacturing interests of the country."

In Iceland it is the custom for everybody to kins every-body else that he meets. It only the people you really like to see.

Benerify Deming.