oushion of oloth of gold, ombroidored with rubies, diamonds nad pearls. Around three stdos of the eurhion is $\Omega$ low rail supported by mininturo onlunuss and standugg somo erght inoliog ligh ; it is of gold atudded with olusters of rubies, and the whole throne is covered with plates of gold. In ono cabinot is shown tho stato cradlo of many sultans, whioh stand low on its rockors like those still in use in tho East. The two onds rise a foot above the mattress, and are connectod at the top by a bar ruming leugthwse as a support for a curtam. The wholo is of solid gold, crustod ou the outside with pearls, dianonde, rubies and tarquoises. It would not bo poserblo to desoribe in dotail tho cuntents of these rooms. "Thero aro, " вays Mr. Defight, "antique arms and armor, leavy with gold aud jowels, there a;o mnumerable horsetraypings and aaddles, covered with plates of gold and studded with emoralds, rubies, topazes, dlamonds and paarla; thore are sadule-cloths embroidered with presious stones. Several sofa covers hang in the oabsuets as baokground to the smallor artioles; thoy are worth $\$ 150,000$ aprees, and are of heavy cloth of gold ombroidered with seed pearls." Thore are bird.cages of gold, some with olooks face downward, at the bottom; macks of velvet embroidered with gold and pearls and dumonds; "samplers" of red velvet on when toxts from the Koran are ombrodered su damonds; amber moathpreces for pipes studded with diamouds and rubies; vases of crystal, a zato and onyx, mauy enriched with jewols; inkstands and snuff-toxes innumbrable, coffee-sets, tea-sets, knives, forks and spoons of sold gold, with jowels on their haudles; an immense array of clocks ; fans beyond couuting; umbrellas of whito silk, exquisitely embroidered with gold and having for handles, matohless sprays of coral a yard long; toa-sets of tortoise-shell as thas as paper. Mrr. Dwight doscribes one toy-"'a figure of a Sultan sented on his throne under a golden canopy ribbed with alternate rubies and emeralds, the whole structure being perhaps six anches high. The hody of the figure is a siuglo huge pearl; the lower ostremities are carvod from a blue turguoise, and the turban is a solid mass of diamouds." "After overy coucorvable uso hay been made of the jewels, the surplus unmounted stones are gathered by handfalls into crystal bowls," in one of which are three uncutemeralde, the largesí
the size of a man's fist, and tho amnllest ns big as a hen's egg. During the late war the Government plodged some of its jowols to tho banka for a loan of $\$ 80,000,000$. Tho baukers romoved to their own vaults precious stones of valuo sumfiont to secare tho loan fully, yet tho contuats of the throe small boxos loft no appieciable gap in tho groat acoumulation. Suoh is the treasure-houso of the bankrupt ruler of a ruinod nation. The Commandor of tho Frithful, it may be addod, has at his disposition, under certain oiroumstancos, a still moro romartable acolithutistion of wealth. This is tho "Tressure of Ishm," the offoring of gold and silver deposited by many successive generations of pilgrims to the three Holy Plaves-the Casiba at Mecoa, the valte of the Mosque of Soliman at Jerusalem and the crypt of the tomb of Ali at the gates of Bagdad. The fands thus colleoted are designed solely for the defense of Islam in its extromity, and their guardians would yield them for no other purpose. According to tradition a Persian emperor during the eisteenth century, undertook to obtain possession of the treasure of the Tomib of Ali, but the force he sent to despoil the shrine was mirasulously hindered, the soldiers' legs being sliffened almont into stone, so that they could not ap. proach the sanotuary, and the spirits of the air, controlled by Soliman, are fabled to have concealea the treasares at Jernsalem daring the ocoupation by the Crasaders. A contemporary caloulator has placed the rate of accumalation at $\$ 600,000$ a year, and the total value of the fands at $8600,000,000$; but these figures ara by less enthusiastic authorities regardedias largely beyond the truth, and it is-qded that on several occasions in modern times the Sultan has drawn upon the fands for war expenditares. Nevertheless the "Treasure of Islam" must amount to many millions of money. -Excharge.

## IRIDUTM IN THE ARTS.

Iridium is a metal that has long been known as possessing the quality of hardness in a ligh degreo, and has been extensively ased for the "dismond" points of gold pens. It has, however, been an intractablo metal, difficult to work, and for this reason has been but little used. It remained for Mr. John Holland, the well known gold penmaker, of Cincin. nati, to ciscover a process by which the
motal is made nvailable for use in the arts. For upwards of oightoon yeara ha conduoted exporimonts with iridium, with a viow to making it moro roadily arailablo for use for pou points. He has succeoded in producing, in faot, a nerr motal, which has a bright metallic oolor similar to that of hardened steel; it takes $n$ high polish, whioh does not tarnish or oxilize in the air; it does not dissolve in the strougest acids or alkn. liss; and it is harior than steol, egate, rook-crystal, and ruby. Iridinum can be soldiered to gola, silver, brass, copper, irou, stecl and other metais. With these wonderful properties it can be alopted with great ruccess for a multitude of mechanical uses and has alroady been appliea to many with great success.
Iridiun is found in considerable quyn. tities in the platinum ores, in the forms of platinixidium, whioh is an alloy of platinum and iridiam, and osmiridum or iridosmine, which is an alloy of osm.nm and iridiam. Tho platiniridium occurs in grains, and sometimes in oabes with ronaded edges. The iridosmine is uoually found in the form of flat, irregular grains, and occasionally in hexagonal prisms. The geograpuical distribution of this metal is quita wide; it is found in California, Cregon, Rusea, East India, Borneó, South Amerioa, Canada, and Australia, and in small quantitics in France; Germany and Spain. As asually found, midosmine, or the so-callod native iridium, 18 a88nciated with numerous rare metals, viz.: osnrium, platinum, rhodium, ruthanium and palladinm, and also with iron and coppor. Tridiam possosses a white lustre resembling that of steel. In the cold it is quite brittle, but at a white hest is somewhat malleable. It is one of the Leaviest of metals, having a specific gravity of 22.88. When an alcoholic solation of the sulphate of iridium is exposed to sunlight, it deposits an impalpable black powder, whioh has tho very peculiar property of setting fire to a piece of paper saturated with alcohol when brought into contact with the slighest trace of it.

The iridinm melted by the Holland process is compact and orystalline; it is harder than the natural metal. The operation of sawing the metal is. accomplished by means of a copper diso, making about ō;000 revolutions per minute, assisted by emery and wajer. When the metal is ground to a smooth

