GOLD AND SILVEH PRODUGTIONS OF THE WOKLD.

At a time when ailver is to become a powerful factor in influencing European trade, Dr. Soetbeer afforda an opportunity to ascertain what the production of the precious metals has been during the last few centaries. Hetween the years 1498 and 1875, a perod of 383 years, the known production in weight of the precious metaln was: Gold, $25,234,954 \frac{1}{3}$ pounds troy; silver, $483,770,7793$ pounda troy. Some uncertainty muat always attend an entimate of this deacription, extending as it doen over so great a apace of time, yet in the main the above amount is aubatantially correct. Daring a century and a half the proportion of value between silver and gold dropped from about a ratio of $10.7 \%$ to about one of $15.5 \%$, and remained at that poiat for about two centaries more. The pro-
principle, stripped of a great part of the mystery which apparently surrounded it." The relations of value between gold and silver adopted by mont modern nation" are relations jastified by the proportion of the supply of the grecions metals. Variations in the propertional value will continue, but the nolution of these pointh munt be left to the gradnal development of the natural course of events.

Geobearimeal Piohlems Solved,-Withia the proeent generation, and mainly alaring the present deoade, nearly all the great geographieal problems left as by our adventarous ancestors have been solved; all the great lines of exploration have been taken up and worked out with a sucess that leaves to the future only the details to fill in. The northwest pasagge was completed more than a quarter of a century ago; the Australian interior has beea crosed and recrosaed within the past fow years; several bright lines now break op the osice mysterious

## DRAWING LOTS FOR LIFM.

The perila of the sea have tonched the heart and rossed the sympathy of all the world for thone who are called upon to andergo them. In our early days we used to read the dreadful stories of miffering, of atarvation, of thirst and of death, from an utter lack of the needfal thinge of life, snd evens in our shildiak philosophy we uaed to thiak thooe most kiadly dealt with who sank with the ahip, and were sjared the days and weeks of ajony:
We who live upos the solid land, who feel ita enduring nupport beneath oor feet, and yo apon It as we will, to meed that which our life and comfort domand, are to apt to forgot the in. tense sufforing of those whose ill-fortune it is to be cant abroad ujim the barren waste of the ocean, shained to a raft which saves from drowning, and yet zaves but to mubmit to a worse fate, which saves life only to steal it away by mosi exeruciating torture. We think of these thinge


DHAWING THE LOT FOH LIFE AND DEATH.
portion of gold produeed, to ailvet, was far
larger from 1801 to 1575 , than during the larger from 1801 to 1875 , than during the earlier perioda. Fron 1876 to 1578 there has
been no important change is this ratio, and we bees no important change in this ratio, and we may expect that the value of gold is naturally more likely to drop than that of nilver. The sudden action of Oermany in throwing an im: mense mass of silver ou the market, derived from the sarplas silver coin of that country, when a gold standand was adopted, and of France and the Latin Union in declising to receive it overbalanced the natural lawn governing the quention. Bat the effeet was ctily temporary, as appearn from the reaction alruady net is by Italy demanding a relesse frow ber obligations not to cois silver, sad the equilibriam is nearly recovered already. The proportional relation of value betwees gold anal silver is mainly independent of legialative as tion, and all that legialation has ever dote of poseibly esa do, aside from exercising a depresaion, is to record the resulte developed hy industrial activity. J. 8. Mill says "money, like commotities is peneral, has a value dependent on, and propartionied to, its cont of prodsection, the theory of money is, by the admiasion of thia
darksess of the "Dark Continentr" the sourea of the Nila have heen traeel, and the course of the Congo ati bat lail down; the Itamians have filled up many imporfant hanks in Coutral Asias there is now so minatery to speak of Jor goe: graphers os the North Amerieas Continent, and sone of any majnituide on the South great outlines of the ooesi-led have been chartered, and now as last, after a atrugule begun mare than 200 yeare stace, the northeast pasaign has been male with an ease that makes one wruder why it was net done long ago. A matter: of-fact 8 wedish pepfesoor has showa that with a suitable ship at the proper seasos this long: arught for pasesge to the "Yar Cathay" is a questina of enly s fow wreks. Of Arotie feate there now remsins only the "dash at the Pole," and that the North Pale will lie rached sootist or later there cas be so doalt.

## Astala kar, as the janction of the river Ouli.

 ean and the Galf of Califomis, is to be the torminus of a ralmal inateal of Gasyuses. The harbor is welt protested and the water 60 fest deep at low thile.aecasionally, but they Bem as for away that our owi louling of sevinity drives Away s reali. antion of the woes whinh our follow mes are ealled spos to saffer.
 bas beens taken out by a Thiladelphis inventer for saluling chandelier, which hiss mone of the dangerousand cumblous mechasiom of hyitratie polfeys, chains and weighte now is common use. The ayjarstus colsiata of a eylindrieal chamber, abont fro incheo is hight and one ans a half inches is dianetor, elased at top and bottom. Within this is a dusl springs a lrase hasd slotted down the surfack, rimued at llie top asd turpoil at the lase, being encircled by a coiled spring, the twin enetexting and expanding auto. matically. Within the haml and fillisg up the *pace which gurruasts the sliding rod, pusieg through the chander, sre a sambier of jerfeetly pounded and amooth metaliie marbles, and these, tugether with the doul- apring firmily grip the slidiag rod, which ass le draws down or pushed op with freedom and ecrtainty, and withest the poenibilisy of the rols slippleg, of the apperstue gettiog oet of order.

