Copyy)
Gonditiono of Contract for an 85 inch cylinder Frean Engine, Hoilero, Duntio and other Machinery for the Creal del Mante Nining Comprany, Mcxico.

Che Chean Engove, Boilero, pumpo and other Machineny comected therevith are to be made accurding to the opecificationo and drawingo furnioked bye NT NHichael Soam of oreokerly, crura.
The Gontructoro Gind themoclued to have the whole of the caid Aleann Engine, Boilero punnto or ot her Machineng mentioned in the Ofrecificationo noo 1 F 2 herennto amexed, prepared ready for ohipment at the Cort of rbayle on a bepore the firol day of Auquot next.

An cave of pailure of the deliveng of the oaid Ofrean Engme, Boilexo, punpo and dher omachimeny by the it derquot neset ao abave mentionsed tho Contractoro ohall pary to the craid Countrany through their dgent in London by wars of penalty the
oum of ten guineao frex day for eveny day bespond the oaid term and until the whale of the ond e Hactinery ohall have been delivered.

Che Gontractore agree to oupply the whate of the ocuid Oflean Cnqine, Boilere, Mompo and other Machinery and 10 deliner the oanne at the Gort of Honyle free on bourd wuch ohip or ohipo ao the Agent of the oaid CReal del Ntonte Comp?. may appaint foo the oun of F 11.100 . Whe said Orean Engine, Hoilevs, Inmpo of
dher machineng ofall bo onbiect to the inopection ind appraval ofe Nie Nichael Sram of Oreokerby. Hure who ohall be at eiverty to apply such leoto ao he may thinti proper to docertain the otrength and efficioney of the seneral parto of 1 ho ocrid llachinery and roreject or approne the oame an bethalf of the oaid Gomprany

The parpment for tho oaid. Nachineng tole in Gaoh prompt Vis dayo from the date ofll bill of Sacking.
Oated in tandon the Errenty fitth dery of Mamany $180 \%$

Nitnefo vigned) Nich: Hfanmey Gohn Efrhide the Thanny des Gohm elinide " fohm Shidijuo ugent to tho Cleal del
Inconte ctining Compry.

Ne nagree to tathe the eraid ellachinemy in an ohip the "Glenavinn' peon dilanglo to vera bruys foo the dum of Seven hindued painde the Aort changeo at bera Corny to be pricid by the Real del etlonte etlining Company:
(ar) Niak Heameyp. No. No
gro Jeamey Sle:

Aprecification of 85 bnch, directs acting, candinoing pumpung Engine and forir ABailere for onchuca - lline elloxicos

Che Gingine to bo 10 ft Otrated.
Whe eylinder 85 in diametew $10^{\text {sin }}$ in thich flancheo $23 / 4$ in shicts vell luacketed and prepared solake forty $1 d^{4} / 4$ in balto in ecuch planch and 13 feet long. che otean caoe to be caot oheel/tin thiction she body writh wrought inan or oteel flancheo
 middle of is thide reburt oin each part, loftbin lang. caot vion pieceo $12^{\text {in }}$ long with two flameheo prepared totatbe forty 1 is is bolts brackered betrueen each balt and for fous hoeding doun balto bored out taper to fit the burtom of cylinder and the halding balto onfficient lengih with nuto cutkew and glando cumplete.

Checover tabe firted to the cylander and to have a buright faloe are attacked with
Pour greaoe crpo for lubricating the pioton. Q onble barrom for otean 2 pt un deep dop Hennch firted tothe caov, and bartom flanoh 12 ft lang and the breadit rofit the cylinder lighien betveen the mroughtion girder and pravided urith otuffing lase complete. the flancheo to bo $2 / 1 /$ in , hicth well bractreted and prepared to receive the halding and other bollo, the button to reot infors and onpponded by two vrought vion quidero each 18 f! long osft $\varphi^{\text {mi }}$ deepi of Qfi- vide Ocideo to ho Nil mi 1 hicts.

Che pioton to he fitted wirh 2 capt inan. concentre mingo $81 / 2$ in thich well firted to the Sioton and in tho joints and perened dvin with 12 -14m ocrevo. Che rad to be proferly firted and collared to Chiston and main cap - to bo s/2" diameter un the bady? $9 / 12$ in in cap and chiston to bo about 10 ft long.
dhe crozzbleo to he fitted tothe cylinder \& lotton, and of orfficient capracity totake the valeres. viy:- the Stean and Governar $141 / 2^{m}$ dicmeder each, in ane nozzle and ifel equililyinn 18 in deameter and the Goehanotian atfin diameter si the other the crabue to be cupan tho donllo beat principle.
cho flanche of Nozgleo to ho pin thich of nele buchered Getween boll haleo Othe prerpendicular tipe betucen the boy and Gotion nozyleo to be bright and 34 in bore. cthe nozzleo to have the neecforn bometo, glando ke and light cavt iron caoeo on lacketo for clothing with the top plateo bright.
cee the nozzleo and hond gear of prug rado abore the flove tobe Gright and the jivinto of levero: and upeo to be caod houdened and lrafo brothed. The rod and balance for piro catarado and cmiection gear belan the flovr lize to be firked pue- the weigh pooto to be of cad incon to be bright with light wrino. Ohe condenoring wout ho include ai pumpo and Receiven, each 88 ins dicmeter 1'4 ihich and equal to a offt lin otroke
with iduction pripe preprared to take the feed one ihrough it, $1 / 4$ " 1 hich and 2 bir bore. San, Hoot and head valueo, Brecketrod, Hetwater ciotern, the condenoing cioteno wrought cion 8 ft wride, Ift deefr, 12 ft lang. cmpection thie, value g geaw, and four z i holding doun lalto off long each complete. Che feed appraratio to inclerde a $\phi$ is Whe with caoe and the undinany nozgleo virh 4'z in valueo and pifpeo and an esctra otop eveh and, wavte nozzlo conflete.

CWr balance beano to be of wrot sivon and
O caot okeel angleo with the plate rinelos of tho leot crours wion and ise vinet faled to be borea to fit each other accurate- left. between centreo, oft acrofo the middle and 18inseveh end. The Gundgeon to be of wrot. iron $y^{\text {in }}$ dianserev in the forrnalo and 10 in long and 10 ai dianseler in the middel and about 7 feet long wirhmin the joumnalo and pronrided with blocko \& bafoeo Be, and fundoution plate complete.

The beass to be provided with the neceforany prino and diotance priceo os comprete with balance box if of wringht cion to bo 6 ft viride Ift deef and Ift. long. Che commecting rado of balunce be om equal to $\varphi$ in., about 1 bft long and pronided with loop heado and brafoeo.
cour Brilexo to the of pure homogeneono metal, to be c30 ft long each and of the canioter foum each caoe tobe $7 f^{\prime} \varphi^{i n}$ diameter $3 / 8$ double vinerted in the fore endos and 4 ft diameter and
$1 / 4$ plateo in the bach and the taleo to bo 41 ft 4 in diameter and of/s plateo in the fire place and 3 Bf diametex and $1 / 4$ ir plated in the bactsend. The circular jointo of tubeo in the fire place tobe conered and otrengithened by Tiran ar oteel of $8_{8}$ thielt.

The fire place to bo 8pt simlong and the end clooed with esf plateo the back end to be clooed with of preareo che outfit of cBoilero to include a otean pripre of the coane melal ao the Qscilero osft dicmeter boftllona and made of s/le plateo. Acaot iron conmeding do. 18 in bore and pipe 18 ft long. Drain Sipe 8 in bore S 20 pt long form otecm baxeo comneded to reoenvir with $q^{i n}$ valueo, bonneto, glando, and gear complete. Toun. $41 / 2$ in Sapehy valueo with pipeo of gear completo. H Manhaleo dovo with bolto and glondo complete. H Hire dove with Crameo plateo and oleefrece10 dogen of 7 ft fire baro in 2 prarto. 4 cafeth brafo caveo with metal plugo- 4 Dampero \& fameo. 12 Enage pipreo of Crato. H Glafo water Guages and 4requlating feed nozyleo.

Whe whale of the workincluding the bollo for jointo and every othei mutallic part necefoang to cumpilete the Engine Brilexo I ontfit to be of the leot material in $\alpha$ wortsmano hip and delinered free on boand accordsing tothe draving of ettefonstecting \& Poann, Enginecio, and onlyect to their appreval within fivemonthe from the 101 ellruech $185 \%$.
Whe Gylinder Gave, cover, botton g Nayzleo tobe of X Mtue cold blast ron
18. Hebruary $185 \%$

Oprecification of Oitevort for an $8 \delta^{\mathrm{m}}$ Engine, for cachnca e Nine. eHescicd.

Firot a Ylinger left $2 t i m$ diam is farhomo long Second third Sounth
$Q^{\circ}$
17 ims do 33 do
17 ins do 33 do
$\qquad$

1 Hole 24 ino. diameter 12 tt ${ }^{6}$ in long f 1 tit "thich
1 Cave 20 : do 10 t. do $1 \frac{3 / 4}{1 / 4}$ with
flancheo 2 ins. thich vele lracheded and prepared for twehe $1 / 2$ "bolto in each.
1 Streffing bose and gland to fit brabo brobed
P and provided wirh ten I/zin otuffing bose botto. 1 H Seice to take elacko $28^{\text {ins }}$ diameter ty pt $\varphi^{\text {in }}$ high and $21 / 2$ thich in body wih dove oloppere of clach seates compilete.
1Qvor price with doo otoppero of clack oento complere.
1 tivindbore $2 H^{i m}$. bore and 4 ft long.
15 Haihomos of caot ored tubeo for colusm 24 i. bow, thll thicte in 4 - 2ofect lenget ane lft and ane tf ft with wrought inon ar oted.. internedicite flamcheo 1 in thick os Coleo 1 inin. diamerer 12 ft $\varphi$ in long 1/4 in thich leach. © Caveo $18^{\text {in }}$ diameter 10 ft long 1 off thich with feancheo 1 /3/4" thich, well bucucketed and preprared for tes $1^{\prime} / 2$ " bolto in cach OHvffing boxeo and glando to fit, buafo bnohed and provided with eig ht 1/2"Otrffing loox boeto to each.
os A Aiece rotatre clacto of $20^{\text {in }}$ bore of ft $\varphi^{\text {in }}$ high and 2.4 in thich in body, uncl ribbed with. flancheo $2^{\mathrm{in}}$ ihick wele lracheted and provided
with ten $1 / 2$ ni bollspaleo
BDror pieceo of oame dimenoiono cho the H frieceo to ho pronided with dooro, vion clactio zoeatings somplexe
a Hindbreo 1 yin bore b P'long each, and tofit the H pieseo.
BCobumno of Caot oxeel terbing Whiplateo and in iventy four 20 feet lingetro.
os $D$ : da do
OSD do do 4. do with wot
vion on oreel flamcheo inis hich to fit each dvor and internediake feancheo to fit each orker faced
Staol deel Cmmpo she shich of 16 mi diameder if welded, an 14 if riretted, if louq
2 Gaot oreel Smmpo \%/4 thich of llem diamener
if evelded ar 1 yni if minerted. 412 pt long.
 13 f. long
1 Gast chece Moindbow $9^{5} 8^{\circ}$ Ihich $10^{\text {min }}$. diameter 9 ft long.
1 Gaot vion buaket dorn piece $13^{\text {sin }}$ diameter 6 ft long, pronded wish right 1'z hole flameheo 134 ni shist bra ohered hetween haleo complete. all the caot iron, evraught irow and oted feancheo to bo faced to fit togethen.
Nrought iron Rodo for tho Syin Engine Hirat verieo twenhy eight thlat vodo 8it by 2 in in budy wish enlanged endo planed lofifeach athew with claopo constuated omilar to thooe at roheal wow inlang ho of Secind beries deventh two Q! dos saiby $1 / 8 \ldots 30$, 30 , Thind do do do do $8^{\text {miclay } 1 / 4} \ldots 30$, Tourch dos do do do sibly, 30 .

Cheod rodo tobe faggothed from the beot orapi inow and the fitworth to be the otronged material and beot vortiomano hif and faiced logether an d delinered free on boand accordinigy to the diavingo of etlefor Hecting IS Wans and onbject to thein approval urithin fivernowtho prowis he ot Onaceh $180 \%$.
18. Tebunany $180 \%$
(0:) Nechael Loann

