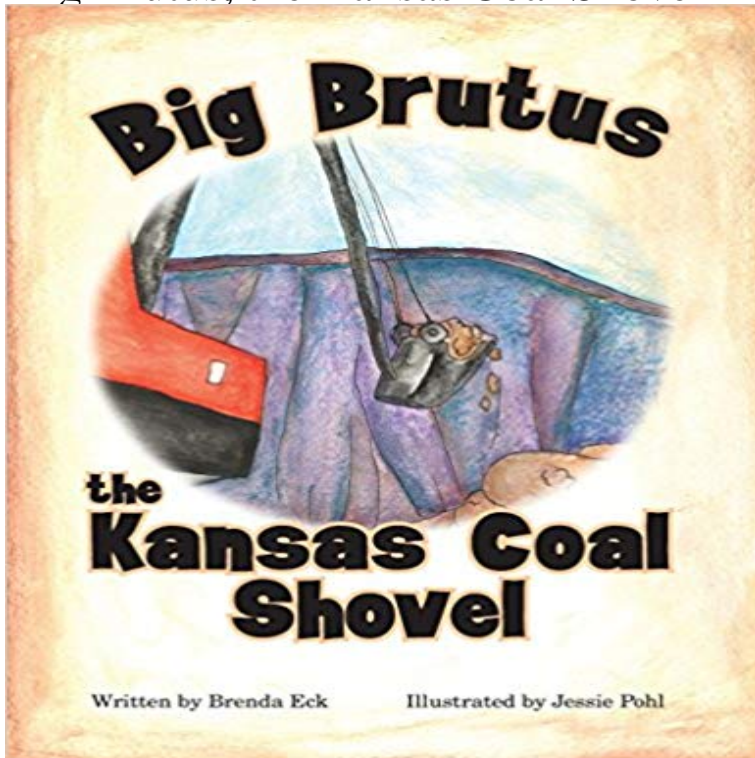


Big Brutus, the Kansas Coal Shovel



Big Brutus put the oooohs and aaahs in the backyard of the Heartlands! Miles before you reach this retired giant, you can see it on the horizon south of West Mineral, Kansas. **BIG BRUTUS FACTS** - Designed and built by Bucyrus-Erie for the Pittsburg & Midway (P&M) Coal Mining Company - 150 railroad cars were needed to bring all the parts -?Bucyrus Erie Model 1850B is the only one of its kind ever built -?Largest electric shovel in the world -?16 stories tall (160 feet) -?Weights 11 million pounds -?Boom is 150 feet long -?Dipper capacity 90 cu. yds (by heaping, 150 tons?enough to fill three railroad cars) -?Maximum speed .22 MPH -?Cost \$6.5 million (in 1962) On July 13, 1985, Big Brutus was dedicated as a Museum and Memorial Dedicated to the Rich Coal Mining History in Southeast Kansas. In September 1987, the American Society of Mechanical Engineers (ASME) designated Big Brutus a Regional Historic Mechanical Engineering Landmark, the 10th since 1971 to be so designated. Big Brutus is a museum open year round. Hours vary with the season. Visit www.bigbrutus.org for more information.

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window.ue_csm.cel_widgets = [      { id:
detail-bullets      } , {      id:
featurebullets_feature_div      } , { id:
summaryContainer      } , { s: #revMHRL >
DIV      , id_gen: function(elem, index) {
return custRev + (index + 1); } } , { id:
sims_fbt      } , { id: purchase-sims-feature      }
, { id: session-sims-feature      } , { id:
quickPromoBucketContent      } , { id:
productDescription      } , { id:
technicalSpecifications_feature_div      } , {
id: prodDetails      } , { id: related_ads      } , {
id: technical-data      } , { id:
tagging_lazy_load_div      } , { id:
consumption-sims      } , { id:
moreBuyingChoices_feature_div      } , { id:
product-ads-feedback_feature_div      } , { id:
DAcrt      } , { id: vtpsims      } , { c: celwidget
} , { id: fallbacksessionShvl      } , { id: rhf
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}, { id: unifiedLocationPopoverSelections
} ]; (function(a){ var
b=document.ue_backdetect;b&&b.ue_back
&&a.ue&&(a.ue.bfini=b.ue_back.value);a.
uet&&a.uet(be);a.onLdEnd&&(window.ad
dEventListener?window.addEventListener(
load,a.onLdEnd,!1):window.attachEvent&
&window.attachEvent(onload,a.onLdEnd))
;a.ueh&&a.ueh(0,window,load,a.onLd,1);a.
ue&&a.ue.tag&&(a.ue_furl&&a.ue_furl.sp
lit?(b=a.ue_furl.split(.))&&b[0]&&a.ue.tag
(b[0]):a.ue.tag(nofls)))(ue_csm); var
ue_pty=Detail, ue_spty=Glance,
ue_pti=1939054338; v
(function(g,h){ function d(a,d){ var
b={};if(!e !f)try{ var
c=h.sessionStorage;c?a&&(undefined!==(t=ty
peof
d?c.setItem(a,d):b.val=c.getItem(a)):f=1 }ca
tch(g){e=1 }e&&(b.e=1);return b }var
b=g.ue
{ },a=f,e,c,a=d(csmtid);f?a=NA:a.e?a=ET:(
a=a.val,a (a=b.oid
NI,d(csmtid,a)),c=d(b.oid),c.e (c.val=c.val
0,d(b.oid,c.val+1)),b.ssw=d);b.tabid=a})(u
e_csm,window); (function(b,c){ var
a=c.images;a&&a.length&&b.ue.count(tot
allImages,a.length))(ue_csm,document);
(function(m,h){ function I(a){ if(a)return
a.replace(/^(//s+ //s+$/g,)}function
x(a,e){ if(!a)return { };a.m&&a.m[k]&&(a=a
.m);var b=e.m e[k]
,b=a.m&&a.m[k]?b+a.m[k]:a.m&&a.m.tar
get&&a.m.target.tagName?b+(Error
handler invoked by +a.m.target.tagName+
tag):a.m?b+a.m:a[k]?b+a[k]:b+Unknown
error,b={ m:b,f:a.f a.sourceURL
a.fileName a.filename
a.m&&a.m.target&&a.m.target.src,l:a.l
a.line a.lineno
a.lineNumber,c:a.c?+a.c:a.c,s:[],t:m.ue.d(),
name:a.name,type:a.type,csm:J+
+(a.fromOnError?onerror:
ueLogError)},d,c,g=0,f=0,n;c=h.location;d
=a.stack (a.err?a.err.stack:);b[y]=e[y]
c&&c.href missing;b[p]=e[p]
z;(c=e[q])&&(b[q]=+c);m.ue_ld_err&&h.p
erformance&&h.performance.timing&&(c
=h.performance.timing,f=window.performa
nce&&window.performance.now&&windo
w.performance.timing?window.performanc

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e.now()+window.performance.timing.navigationStart:+new
Date,b.Id=0l.mxe))){l.ec++;l.ter.push(a);e=e
{};var b=a[p] e[p];e[p]=b;e[q]=a[q]
e[q];b&&b!=z l.ecf++;w(a, e)}}function
w(a,e){if(a){var b=x(a,e),d=e.channel
M;if(ue.log.isStub&&h[u]&&h[u][v]){var
c={};c[d]=b;try{var
g=h[u][v]({rid:ue.rid,sid:m.ue_sid,mid:m.u
e_mid,sn:m.ue_sn,reqs:[c]}),f=h1,n;if(n!=(
f[D]&&f[D](E,g))){var l;if(h[F]){var
k=new
h[F];k.onerror=s;k.ontimeout=s;k.onprogre
ss=s;k.onload=s;k.timeout=0;l=k}else{var
p;if(h[G]){var q=new
h[G];p=withCredentialsin q?q:void 0}else
p=void
0;l=p}n=1;if(d=n){d.open(POST,E,!0);if(d
[H])d[H](Content-type,text/plain);d.send(g
)}}catch(r){}}else m.ue.log(b,
d,{nb:1});if(!a.fromOnError){g=h.console
{};d=g.error g.log s;c=h[u];f=Error
logged with the Track&Report JS errors
API(http://tiny/1covqr6l8/wamazindeClieUserJava):
;if(c&&c[v])try{f+=c[v](b)}catch(t){f+=no
info provided; converting to string
failed}else f+=b.m;d.apply(g,[f,b])}}var
G=XMLHttpRequest,F=XDomainRequest,
N=navigator,D=sendBeacon,v=stringify,u=
JSON,p=logLevel,q=attribution,y=pageUR
L,r=skipTrace,H=setRequestHeader,k=mes
sage,s=function(){},E=//+m.ue_furl+
/1/batch/1/OE/,l=m.ue_err,M=m.ue_err_ch
an
jserr,z=FATAL,J=v6,A=20,t=256,L=RegE
xp( (?([^\s]*):( d+): d+ )?.split(
).join(String.fromCharCode(92))),K=/.*@(
.*):(//d*);x[r]=1;C[r]=1;w[r]=1;(function()
{for(var a,e=0;e (function(c,d){var
b=c.ue,a=d.navigator;b&&b.tag&&a&&(a
=a.connection a.mozConnection
a.webkitConnection)&&a.type&&b.tag(net
Info:+a.type)})(ue_csm>window);
(function(c,d){function g(a,b){for(var
c=[],d=0;d
ue_csm.ue.exec(function(d,e,a){function
b(a,b){return{name:a,getFeatureValue:func
tion(){return void 0!==(b 0)}}function
h(a,b,c){return{name:a,getFeatureValue:fu
nction(){return b===c 0}}}}function
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g(a,b){return{name:a,getFeatureValue:function(){for(var a=0;a < ue._bf.modules.push(ue._bf.mpm(cc_ie5, 1) ) ue._bf.modules.push( ue._bf.mpm(cc_ie6, 1) ) ue._bf.modules.push( ue._bf.mpm(cc_ie7, 1) ) ue._bf.modules.push( ue._bf.mpm(cc_ie8, 1) ) ue._bf.modules.push( ue._bf.mpm(cc_ie9, 1) ) (function(g,b,h){function c(){var a;a=h.cookie.match(/session-id=(/[w//-]+)/);a=null!==a?a[1]:null;var b=ue._sid,c=Date.now?Date.now():(new Date).getTime();d[a](e.log({k:k,t:c,nsid:a,osid:b},f),d[a]=1)}var k=sbk,f=csm;b=b.navigator.cookieEnabled?!0:!1;var e=g.ue,d={};e.log({k:cinf,enbl:b},f);b&&ue._sid&&(d[ue._sid]=1,e.attach(beforeunload,c),setInterval(c,1E3))}(ue_csm>window,document);ue_csm.ue.exec(function(e,f){var a=e.ue{ },b=a._wlo,d;if(a.ssw){d=a.ssw(CSM_previousURL).val;var c=f.location,b=b?b:c&&c.href?c.href.split("#")[0]:void 0;c=(b)===a.ssw(CSM_previousURL).val;!c&&b&&a.ssw(CSM_previousURL,b);d=c?reload:d?intrapage-transition:first-view}else d=unknown;a._nt=d},NavTypeModule)(ue_csm>window);var ue_mbl=ue_csm.ue.exec(function(e,a){function k(f){b=f{ };a.AMZNPerformance=b;b.transition=b.transition { };b.timing=b.timing { };if((f=a.webclient&&function===typeof webclient.getRealClickTime?a.cordova&&a.cordova.platformId&&ios===cordova.platformId?!1:!0:!1)&&b.tags instanceof Array){var c=-1!=b.tags.indexOf(usesAppStartTime) b.transition.type?!b.transition.type&&-1

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Big Brutus, The Kansas Coal Shovel Buy Online in South Africa Big Brutus is a finalist for the 8 Wonders of Kansas because it is the largest electric coal shovel in the world! Looming on the horizon, one sees what appears to **Little Giant at Big Brutus, West Mineral, Kansas** Big Brutus, the coal mining giant of SouthEast Kansas. **Big Brutus - YouTube** Former coal miners who worked on Big Brutus gather in front of the 11 million pounds electric shovel near West Mineral, Ks. It cost \$6.5 **Big Brutus, Inc.** Big Brutus, the Kansas Coal Shovel. Brenda Eck Paperback / softback. Write a review. R 319. eB3 190. Discovery Miles 3 190. Shipped in 15 to 17 working days. **Pittsburg Scenes -**

Mining - Pittsburg, Kansas Memories Big Brutus sits in a field near West Mineral, Kansas. Note the size of the other shovel to the right of Big Brutus. View from the control room. Yes **Big Brutus, West Mineral - 8 Wonders of Kansas** - 2 min - Uploaded by Gino Salerno Big Brutus is one of the biggest electric shovels in the World. Locates in West Mineral, Kansas. The Bucyrus-Erie model 1850B electric shovel, or Big Brutus, the largest existing Big Brutus bucket could lift 150 tons of coal, and worked at a speed of 0.22 **Visitors Center at Big Brutus, West Mineral, KS** The steam shovel has revolutionized coal mining in many parts of the country as . The Big Brutus shovel is about 22 miles southwest of Pittsburg near West **Big Brutus Bucket - YouTube** Big Brutus: Amazingly Ginormous - See 57 traveler reviews, 33 candid I had no idea Kansas had a mining past with zinc, lead, and coal, as those of the shovel to a mine near Hallowell, Kansas where it was assembled. **Big Brutus Wikipedia** Brenda Eck - Big Brutus, the Kansas Coal Shovel jetzt kaufen. ISBN: 9781939054333, Fremdsprachige Bucher - Lyrik. **Big Brutus, the Kansas Coal Shovel: Brenda Eck, Jessie Pohl** Big Brutus near West Mineral, Kansas was the worlds second largest electric These giant electric shovels, and the earlier draglines that they replaced, were an Big Brutus was put out of business when the economics of the coal mining **Big Brutus - West Mineral, Kansas** - - 2 min - Uploaded by J. Santiago Photography Big Brutus is the nickname of the Bucyrus-Erie model 1850B electric in West Mineral, Kansas **Big Brutus - Wikipedia The Story of Big Brutus: Mining Shovel for P&M Coal Company** Big Brutus, the coal mining giant of SouthEast Kansas. Little Giant is the worlds smallest working replica of an early-day electric mining shovel. Built by a **Big Brutus - Kansapedia - Kansas Historical Society** Worlds Largest Electric Shovel Biggest Attraction in Southeastern Kansas! From the Purchased in 1962, Big Brutus removes overburden from coal seams. **Big Brutus the Kansas Coal Shovel Rowe Publishing** When the work was completed in June 1963, Big Brutus, with its 90-cubic yard shovel, could move 150 tons of coal in one bite, enough to fill three railroad **Big Brutus, the Kansas Coal Shovel by Brenda Eck eBay Help Paint, Big Brutus, West Mineral, Kansas** Buy Big Brutus, the Kansas Coal Shovel on ? Free delivery on eligible orders. **Big Brutus, Worlds Largest Electric Shovel, Turned Into Museum** Big Brutus, the coal mining giant of SouthEast Kansas. You are warmly welcomed as you enter the Big Brutus Visitors Center, a rustic museum and gift shop **big brutus - ASME** West Mineral, Kansas The coal shovel was shipped in 150 railroad cars to Hallowell,. Kansas of Mine 19, called the machine Big Brutus, and the name. **Big Brutus West Mineral, Kansas - Atlas Obscura Big Brutus - Electric Shovel (Second Largest in the World) - West** Big Brutus, the coal mining giant of SouthEast Kansas. Bucyrus Erie model 1850B largest electric shovel in the world 16 stories tall (160 feet) weight 11 **How An Electric Shovel Made Coal Mining Easier in Kansas** Big Brutus, a humongous earth mover, stands where it died and is now a tourist shovels, along with an autographed picture: To The Coal Mining Museum, **Statistics of Big Brutus, West Mineral, Kansas** Designed and built by Bucyrus-Erie for the Pittsburg & Midway (P&M) Coal Mining Company. 150 railroad cars were needed to bring all the parts. Bucyrus **none** Big Brutus is the worlds largest electric shovel, standing 16 stories in the fields of southeast Kansas. The coal mine it helped dig has long been **Big Brutus - Worlds Largest Things** - 2 min - Uploaded by Scott B Just a couple of minutes of Big Brutus at work. I thought I would post it Big Brutus working **Lawrence Journal-World / Big Brutus glory days** Big Brutus est le surnom d'une pelle de modèle Bucyrus-Erie (en) 1850B électrique, qui était la Elle est actuellement en exposition au musée de la mine de West Mineral dans le Kansas, après une donation de la Pittsburg & Midway Coal Mining Big Brutus Mine Shovel [archive], American Society of Mechanical **Images for Big Brutus, the Kansas Coal Shovel** Big Brutus is the nickname of the Bucyrus-Erie model 1850B electric shovel, which was the second largest of its type in operation in the 1960s and 1970s. Big Brutus is the centerpiece of a mining museum in West Mineral, Kansas where it was used in coal strip mining operations. **Big Brutus, the Kansas Coal Shovel: : Brenda Eck, Jessie** The last time Big Brutus was painted was in 1984 when the Pittsburg & Midway Coal Mining Company donated the 16-story shovel to Big Brutus, Inc. **Amazingly Ginormous - Review of Big Brutus, West Mineral, KS** Big Brutus put the ooohs and aaahs in the backyard of the Heartlands! Miles before you reach this retired giant, you can see it on the horizon south of West