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BUR OF LAND MANAGEMENT
NEVADA STATE OFFICE
RENO LAND OFFICE

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UNITED STATES DEPARTMENT OF THE INTERIOR

LAND AND SURVEY OFFICE

BUREAU OF LAND MANAGEMENT

RENO, NEVADA August 4, 1966

MINERAL SURVEY NO. 4879

In the Matter of the Application of)
UNITED STATES STEEL CORPORATION,)
a corporation, for a United States)
Mineral Patent for 32 mining claims,)
situate in Lyon County, Nevada, and)
comprising the Lyon No. 16, Lyon)
No. 17, Lyon No. 20, Lyon No. 21,)
Lyon No. 34, Lyon No. 35, Lyon No.)
38, Lyon No. 39, Lyon No. 52, Lyon)
No. 53, Lyon No. 54, Lyon No. 55,)
Lyon No. 56, Lyon No. 57, Lyon No.)
70, Lyon No. 71, Lyon No. 72, Lyon)
No. 73, Lyon No. 74, Lyon No. 75,)
Lyon No. 85, Lyon No. 86, Lyon No.)
87, Lyon No. 88, Lyon No. 89, Lyon)
No. 90, Lyon No. 91, Lyon No. 92,)
Lyon No. 101, Lyon No. 102, Lyon)
No. 145, and Lyon No. 146 lode)
mining claims, Mineral Survey)
No. 4879)

APPLICATION OF
UNITED STATES STEEL CORPORATION,
A CORPORATION
FOR A MINERAL PATENT FOR 32
MINING CLAIMS EMBRACING AN AREA
OF 645.540 ACRES IN LYON COUNTY,
NEVADA, AS SURVEY NO. 4879 IN
SECTIONS 3, 4, 9 AND 10, TOWN-
SHIP 12 NORTH, RANGE 26 EAST,
MOUNT DIABLO MERIDIAN

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STATE OF NEVADA)
) ss.
COUNTY OF WASHOE)

APPLICATION FOR PATENT FOR
LYON LODGE MINING CLAIMS NOS.
16, 17, 20, 21, 34, 35, 38,
39, 52, 53, 54, 55, 56, 57,
70, 71, 72, 73, 74, 75, 85,
86, 87, 88, 89, 90, 91, 92,
101, 102, 145 AND 146

TO THE HONORABLE MANAGER OF THE BUREAU OF LAND MANAGEMENT, RENO,
NEVADA:

ROGER W. JEPPSON, being first duly sworn according to law,
on his oath deposes and says:

That he is a citizen of the United States over the age of
twenty-one (21) years, residing in Washoe County and having his
address at 1 East First Street, Reno, Nevada, and is the duly
appointed agent for United States Steel Corporation, a corporation,
and duly authorized and empowered to verify and file this application,
all of which fully appears from certified copies of Power of Attorney
to Obtain United States Patent and the Resolution adopted by the
Operations Policy Committee of United States Steel Corporation on
March 5, 1965, which certified copies of Power of Attorney and Reso-
lution are filed herewith and made a part hereof.

That he makes this affidavit within the Nevada Land
District and this application for and on behalf of United States
Steel Corporation, a corporation, the same being an application for
a United States Mineral Patent for the Lyon No. 16, Lyon No. 17,
Lyon No. 20, Lyon No. 21, Lyon No. 34, Lyon No. 35, Lyon No. 38,
Lyon No. 39, Lyon No. 52, Lyon No. 53, Lyon No. 54, Lyon No. 55,
Lyon No. 56, Lyon No. 57, Lyon No. 70, Lyon No. 71, Lyon No. 72,
Lyon No. 73, Lyon No. 74, Lyon No. 75, Lyon No. 85, Lyon No. 86,
Lyon No. 87, Lyon No. 88, Lyon No. 89, Lyon No. 90, Lyon No. 91,
Lyon No. 92, Lyon No. 101, Lyon No. 102, Lyon No. 145 and Lyon
No. 146 lode mining claims (hereinafter referred to as "said mining
claims") under Mineral Survey No. 4879, embracing an area of

645.540 acres, as more particularly shown in the field notes and on the plat of survey of Mineral Survey No. 4879, situate in the County of Lyon, State of Nevada.

That in support of said application of said United States Steel Corporation, this affiant alleges as follows:

PRELIMINARY

That by virtue of full compliance with the provisions of the laws of the United States and the rules and regulations prescribed by the Bureau of Land Management thereunder governing the acquisition of title to mineral lands on the public domain, and the laws of the State of Nevada, and with the mineral rules, regulations and customs of miners of the Unorganized Mining District in the County of Lyon, State of Nevada, said corporation has possessory rights to said lode mining claims designated as Mineral Survey No. 4879 by the United States Cadastral Engineer herein described and claimed by said corporation.

That the area and extent of said lode mining claims for which patent is hereby applied are fully set forth in the official field notes of survey thereof filed in the Office, Chief, Branch of Cadastral Engineers, Bureau of Land Management at Reno, Nevada, herewith, and made a part hereof, and on the official plat of survey filed herewith, a copy of which is posted conspicuously on the surface of said survey and within the boundaries of said lode mining claims, reference to which is hereby made for the particulars therein contained.

II

AREAS APPLIED FOR

That by virtue of full compliance with the mining laws, rules, regulations and customs, the applicant for patent herein, to-wit: United States Steel Corporation, a corporation, has become and now is the owner of and in the actual, quiet and undisturbed possession of 645.540 acres of mineral ground embraced in Survey No. 4879. Acreage of the lands embraced in each claim is as follows:

	<u>Acres</u>
Lyon No. 16 lode	20.180 ✓
Lyon No. 17 lode	20.180 ✓
Lyon No. 20 lode	20.180 ✓
Lyon No. 21 lode	20.180
Lyon No. 34 lode	20.180 ✓
Lyon No. 35 lode	20.180 ✓
Lyon No. 38 lode	20.180 ✓
Lyon No. 39 lode	20.180 ✓
Lyon No. 52 lode	20.095 ✓
Lyon No. 53 lode	20.095 ✓
Lyon No. 54 lode	20.026 ✓
Lyon No. 55 lode	20.026 ✓
Lyon No. 56 lode	20.095 ✓
Lyon No. 57 lode	20.095 ✓
Lyon No. 70 lode	20.283 ✓
Lyon No. 71 lode	20.283 ✓
Lyon No. 72 lode	20.213 ✓
Lyon No. 73 lode	20.213 ✓
Lyon No. 74 lode	20.283 ✓
Lyon No. 75 lode	20.283 ✓
Lyon No. 85 lode	20.374 ✓
Lyon No. 86 lode	20.283 ✓
Lyon No. 87 lode	20.283 ✓
Lyon No. 88 lode	20.213 ✓

	<u>Acres</u>
Lyon No. 89 lode	20.213 /
Lyon No. 90 lode	20.283 /
Lyon No. 91 lode	20.283 /
Lyon No. 92 lode	20.374 ✓
Lyon No. 101 lode	19.784 /
Lyon No. 102 lode	19.696 /
Lyon No. 145 lode	20.162 /
Lyon No. 146 lode	20.162 /

TOTAL AREA APPLIED FOR 645.540 Acres

Applicant is not including Lyon No. 147 and Lyon No. 148 lode mining claims in this its patent application although these two claims were and are included in the Field Notes and Plat of Survey submitted herewith, as well as in the Certificate of Title.

Lyon No. 56 Lode

Improvement No. 1

The discovery pit of the Lyon No. 56 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 75 x 18 feet, 6 feet deep. Value, \$80.00.

Lyon No. 57 Lode

Improvement No. 1

The discovery pit of the Lyon No. 57 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 40 x 18 feet, 6 feet deep. Value, \$50.00.

Lyon No. 70 Lode

Improvement No. 1

The discovery pit of the Lyon No. 70 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 110 x 20 feet, 7 feet deep. Value, \$150.00.

Lyon No. 71 Lode

Improvement No. 1

The discovery pit of the Lyon No. 71 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 40 x 15 feet, 12 feet deep. Value, \$80.00.

Lyon No. 72 Lode

Improvement No. 1

The discovery pit of the Lyon No. 72 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 50 x 18 feet, 5 feet deep. Value, \$50.00.

Lyon No. 73 Lode

Improvement No. 1

The discovery pit of the Lyon No. 73 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 40 x 15 feet, 12 feet deep. Value, \$70.00.

Lyon No. 74 Lode

Improvement No. 1

The discovery pit of the Lyon No. 74 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 80 x 15 feet, 6 feet deep. Value, \$70.00.

Lyon No. 75 Lode

Improvement No. 1

The discovery pit of the Lyon No. 75 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 60 x 15 feet, 6 feet deep. Value, \$60.00.

Lyon No. 85 Lode

Improvement No. 1

The discovery pit of the Lyon No. 85 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 40 x 15 feet, 6 feet deep. Value, \$40.00.

Lyon No. 86 Lode

Improvement No. 1

The discovery pit of the Lyon No. 86 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 45 x 18 feet, 6 feet deep. Value, \$50.00.

Lyon No. 87 Lode

Improvement No. 1

The discovery pit of the Lyon No. 87 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 90 x 15 feet, 7 feet deep. Value, \$100.00.

Lyon No. 88 Lode

Improvement No. 1

The discovery pit of the Lyon No. 88 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 60 x 15 feet, 7 feet deep. Value, \$60.00.

Lyon No. 89 Lode

Improvement No. 1

The discovery pit of the Lyon No. 89 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 50 x 15 feet, 6 feet deep. Value, \$50.00.

Lyon No. 90 Lode

Improvement No. 1

The discovery pit of the Lyon No. 90 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 40 x 15 feet, 7 feet deep. Value, \$50.00.

Lyon No. 91 Lode

Improvement No. 1

The discovery pit of the Lyon No. 91 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 75 x 15 feet, 6 feet deep. Value, \$70.00.

Lyon No. 92 Lode

Improvement No. 1

The discovery pit of the Lyon No. 92 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 75 x 15 feet, 6 feet deep. Value, \$70.00.

Lyon No. 101 Lode

Improvement No. 1

The discovery pit of the Lyon No. 101 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 3-4, 30 x 15 feet, 10 feet deep. Value, \$50.00.

Lyon No. 102 Lode

Improvement No. 1

The discovery pit of the Lyon No. 102 lode, the center of which being the discovery point, is on the lode line 100 feet from the center of line 2-3, 60 x 15 feet, 12 feet deep. Value, \$100.00.

Lyon No. 145 Lode

Improvement No. 1

The discovery point of the Lyon No. 145 lode, a post and notice, is on the lode line 750 feet from the center of line 1-2. No value.

Lyon No. 146 Lode

Improvement No. 1

The discovery point of the Lyon No. 146 lode, a post and notice, is on the lode line, 750 feet from the center of line 4-1. No value.

Common Improvement No. 1

Drill program, 123 holes, with a total depth of 116,362 feet.

Value of drilling, \$610,900.50

Value of one thirty-fourth interest, \$17,967.77.

This improvement is in progress for the development of the lodes included in the survey which are all the contiguous lode claims owned in common within the range of benefit of said improvements.

These improvements afford the most practical and economical means of developing each of the stated lodes.

Five hundred dollars or over has been expended in these improvements in such a manner as tends to the development of each lode embraced by the survey, i.e., 34 lode mining claims, including two for which patent is not being applied, namely Lyon No. 147 and Lyon No. 148, subsequent to its location and to the time since which common ownership and contiguity have prevailed. An undivided one thirty-fourth interest in their value is hereby credited to each of the 32 lode mining claims hereby applied for.

No portion of or interest in these improvements has been credited heretofore as patent expenditure to any lode claim.

DETAIL OF COMMON IMPROVEMENTS

<u>Drill Number</u>	<u>Bearing</u>	<u>Distance</u>	<u>Vertical Depth</u>
From Corner No. 3 of the Lyon No. 145 lode, Survey No. 4879:			
L-81	N. 89° 55' E.	411'	440'
From Corner No. 2 of the Lyon No. 146 lode, Survey No. 4879:			
L-82	N. 87° 20' E.	438'	300'
From Corner No. 3 of the Lyon No. 72 lode, Survey No. 4879:			
L-37	N. 1° 50' W.	146'	1442'
From Corner No. 4 of the Lyon No. 73 lode, Survey No. 4879:			
L-114	N. 76° 50' W.	335'	78'
L-115	N. 68° 55' W.	465'	60'
L-126	N. 21° 30' W.	473'	305'
L-29	N. 13° 00' W.	90'	296'
L-127	N. 3° 45' W.	310'	950'
From Corner No. 3 of the Lyon No. 88 lode, Survey No. 4879:			
L-143	N. 52° 30' W.	257'	100'
L-113	N. 14° 15' W.	518'	206'
L-26	N. 0° 10' W.	300'	1165'

<u>Drill Number</u>	<u>Bearing</u>	<u>Distance</u>	<u>Vertical Depth</u>
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From Corner No. 4 of the Lyon No. 89 lode, Survey No. 4879:

L-142	N. 46° 30' W.	677'	65'
L-141	N. 45° 00' W.	475'	145'
L-140	N. 35° 45' W.	80'	146'
L-25	N. 1° 45' W.	580'	615'

From Corner No. 2 of the Lyon No. 17 lode, Survey No. 4879:

L-98	N. 72° 45' W.	750'	97'
L-33	N. 83° 45' W.	453'	320'

From Corner No. 1 of the Lyon No. 20 lode, Survey No. 4879:

L-5	N. 29° 00' W.	385'	2011'
L-125	N. 4° 35' W.	178'	532'

From Corner No. 3 of the Lyon No. 35 lode, Survey No. 4879:

L-10	N. 51° 35' E.	882'	570'
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From Corner No. 2 of the Lyon No. 38 lode, Survey No. 4879:

L-36	N. 58° 50' E.	1088'	470'
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From Corner No. 3 of the Lyon No. 53 lode, Survey No. 4879:

L-35	N. 59° 45' E.	1076'	547'
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From Corner No. 2 of the Lyon No. 56 lode, Survey No. 4879:

L-122	N. 68° 25' E.	522'	1506'
L-106	N. 84° 30' E.	640'	1800'

From Corner No. 1 of the Lyon No. 56 lode, Survey No. 4879:

L-28	N. 86° 20' W.	278'	1863'
L-63	N. 67° 45' W.	480'	1760'
L-121	N. 61° 40' W.	680'	1498'
L-120	N. 33° 00' W.	445'	876'
L-94	N. 20° 30' W.	270'	1700'

From Corner No. 4 of the Lyon No. 16 lode, Survey No. 4879:

L-34	N. 49° 00' E.	140'	648'
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From Corner No. 1 of the Lyon No. 21 lode, Survey No. 4879:

L-9	N. 33° 30' E.	540'	846'
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From Corner No. 3 of the Lyon No. 71 lode, Survey No. 4879:

L-123	N. 19° 05' E.	610'	602'
L-107	N. 43° 30' E.	557'	1649'
L-93	N. 56° 20' E.	950'	1916'
L-92	N. 62° 40' E.	596'	1866'
L-40	N. 78° 25' E.	695'	2250'

From Corner No. 2 of the Lyon No. 71 lode, Survey No. 4879:

L-48	N. 15° 30' W.	528'	2142'
L-38	N. 52° 50' W.	670'	1988'
L-60	N. 56° 25' W.	480'	2069'

<u>Drill Number</u>	<u>Bearing</u>	<u>Distance</u>	<u>Vertical Depth</u>
L-7	N. 56° 45' W.	255'	1998'
L-59	N. 89° 00' W.	646'	1848'
L-61	West	105'	1671'

From Corner No. 2 of the Lyon No. 74 lode, Survey No. 4879:

L-91	N. 25° 45' E.	648'	1758'
L-109	N. 37° 10' E.	218'	1628'
L-51	N. 28° 30' E.	673'	1910'
L-50	N. 56° 10' E.	680'	2058'
L-21	N. 72° 40' E.	738'	1935'
L-108	N. 82° 00' E.	280'	1496'

From Corner No. 1 of the Lyon No. 74 lode, Survey No. 4879:

L-20A	N. 25° 00' W.	450'	490'
L-3	N. 43° 20' W.	672'	1641'
L-20	N. 45° 30' W.	390'	1506'
L-18	N. 80° 10' W.	355'	491'
L-17	N. 81° 45' W.	648'	1786'

From Corner No. 3 of the Lyon No. 87 lode, Survey No. 4879:

L-112	N. 35° 00' E.	290'	624'
L-102	N. 40° 35' E.	660'	1748'
L-88	N. 47° 40' E.	660'	1636'
L-111	N. 69° 45' E.	318'	568'
L-19	N. 73° 50' E.	737'	1329'

From Corner No. 2 of the Lyon No. 87 lode, Survey No. 4879:

L-90	N. 80° 30' W.	632'	1075'
L-22	N. 41° 00' W.	282'	688'
L-49	N. 45° 45' W.	770'	1405'
L-2	N. 44° 30' W.	750'	1435'
L-2A	N. 43° 30' W.	730'	314'
L-23	N. 24° 00' W.	575'	1206'

From Corner No. 2 of the Lyon No. 90 lode, Survey No. 4879:

L-24	N. 37° 20' E.	723'	856'
L-110	N. 53° 30' E.	743'	600'
L-116	N. 69° 30' E.	820'	236'

From Corner No. 1 of the Lyon No. 90 lode, Survey No. 4879:

L-89	N. 41° 30' W.	705'	721'
L-117	N. 80° 15' W.	498'	153'
L-39	West	110'	228'

From Corner No. 4 of the Lyon No. 34 lode, Survey No. 4879:

L-12	N. 11° 15' E.	563'	745'
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From Corner No. 1 of the Lyon No. 39 lode, Survey No. 4879:

L-44	N. 1° 00' E.	560'	472'
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From Corner No. 3 of the Lyon No. 52 lode, Survey No. 4879:

L-105	N. 76° 30' W.	568'	488'
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<u>Drill Number</u>	<u>Bearing</u>	<u>Distance</u>	<u>Vertical Depth</u>
From Corner No. 1 of the Lyon No. 52 lode, Survey No. 4879:			
L-45	S. 60° 30' E.	41'	370'
From Corner No. 1 of the Lyon No. 57 lode, Survey No. 4879:			
L-119	N. 20° 30' E.	580'	454'
L-87	N. 24° 10' E.	130'	1755'
L-95	N. 37° 30' E.	340'	418'
L-103	N. 41° 50' E.	530'	1584'
L-99	N. 57° 00' E.	760'	1210'
L-73	N. 61° 30' E.	562'	1325'
L-86	N. 68° 50' E.	382'	391'
L-72	N. 77° 00' E.	655'	1065'
L-27	N. 86° 00' E.	478'	1219'
From Corner No. 4 of the Lyon No. 57 lode, Survey No. 4879:			
L-101	N. 40° 30' W.	708'	511'
L-104	N. 52° 15' W.	905'	1316'
L-100	N. 52° 10' W.	708'	1086'
L-74	N. 67° 30' W.	765'	953'
L-75	N. 74° 00' W.	565'	844'
L-70	N. 88° 45' W.	683'	780'
From Corner No. 4 of the Lyon No. 86 lode, Survey No. 4879:			
L-8	N. 8° 45' E.	547'	636'
From Corner No. 3 of the Lyon No. 86 lode, Survey No. 4879:			
L-67	N. 67° 10' W.	478'	183'
From Corner No. 1 of the Lyon No. 91 lode, Survey No. 4879:			
L-30	N. 3° 00' E.	569'	511'
From Corner No. 4 of the Lyon No. 91 lode, Survey No. 4879:			
L-65	N. 13° 10' W.	465'	355'
L-66	N. 62° 00' W.	410'	308'
From Corner No. 2 of the Lyon No. 85 lode, Survey No. 4879:			
L-32	N. 74° 30' W.	168'	646'
From Corner No. 2 of the Lyon No. 92 lode, Survey No. 4879:			
L-43	N. 64° 25' E.	700'	1484'
L-57	N. 72° 00' E.	728'	866'
From Corner No. 4 of the Lyon No. 101 lode, Survey No. 4879:			
L-11	East	355'	813'
From Corner No. 1 of the Lyon No. 92 lode, Survey No. 4879:			
L-56	N. 46° 30' W.	615'	290'
L-58	N. 51° 20' W.	438'	339'
L-55	N. 84° 30' W.	684'	354'
L-6	N. 80° 00' W.	758'	837'

Drill Number	Bearing	Distance	Vertical Depth
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From Corner No. 3 of the Lyon No. 101 lode, Survey No. 4879:

L-54	N.48° 30' E.	623'	379'
L-53	N.57° 20' E.	1020'	525'

From Corner No. 4 of the Lyon No. 102 lode, Survey No. 4879:

L-144	N.69° 30' E.	610'	100'
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From Corner No. 3 of the Lyon No. 102 lode, Survey No. 4879:

L-31	N.40° 30' W.	376'	448'
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From Corner No. 4 of the Lyon No. 70 lode, Survey No. 4879:

L-46	N. 4° 00' E.	374'	1819'
L-42	N.19° 20' E.	620'	1621'
L-13	N.35° 55' E.	289'	1484'
L-41	N.38° 00' E.	575'	1251'
L-62	N.55° 10' E.	803'	1080'
L-16	N.61° 30' E.	605'	948'
L-1	N.70° 05' E.	325'	1107'
L-68	N.75° 00' E.	658'	455'

From Corner No. 3 of the Lyon No. 70 lode, Survey 4879:

L-118	N.48° 30' W.	733'	698'
L-69	N.63° 20' W.	768'	425'
L-71	N.87° 15' W.	668'	515'

From Corner No. 1 of the Lyon No. 75 lode, Survey No. 4879:

L-15A	N.10° 35' E.	438'	462'
L-15	N.15° 30' E.	420'	1231'
L-4	N.40° 30' E.	712'	1028'
L-14	N.51° 00' E.	353'	837'
L-47	N.55° 50' E.	739'	464'

OTHER IMPROVEMENTS

A well, the collar of which bears S. 28° 30' E., 40-foot distance, from Corner No. 2 of the Lyon No. 39 lode.

A metal house, the northwest corner of which bears S. 40° 30' W., 610 feet from Corner No. 4 of the Lyon No. 74 lode, 16 x 24 feet in size, the long sides bear S. 45° E.

A metal house, the northwest corner of which bears S. 40° 35' W., 650 feet from Corner No. 4 of the Lyon No. 74 lode, 20 x 36 feet in size, the long sides bear N. 45° E.

GEOLOGYGeneral Geology

The Lyon iron-copper and limestone deposits lie within the Yerington copper mining district on the eastern satellitic fringes of the Sierra Nevada batholith.

Volcanic rocks of Tertiary age varying from 0 to 500 feet in thickness generally overlie an older sequence of rocks which contain the orebodies. The older rocks of probably Triassic age consist of carbonates, quartzites, hornfels, andesites and andesite tuffs. These rocks are intruded by quartz monzonite and porphyritic rocks of probable Cretaceous age. After emplacement of the intrusive rocks, the older rocks were replaced and filled by iron oxide minerals and iron and copper sulfide minerals. The metallic ore minerals are magnetite, chalcopyrite, pyrrhotite, and pyrite. Small amounts of sphalerite are also present. Principal gangue minerals are talc, serpentine, calcite, epidote, chlorite, actinolite and garnet.

Three iron-copper orebodies have been discovered within the area of this application. The iron-copper orebodies are roughly tabular in form, have northeasterly trends, and appear to dip steeply to the northwest. Known down dip extent of the three orebodies drilled varies from 450 to 1,700 feet. The orebodies are covered by volcanic or other rocks ranging from 250 to 700 feet in thickness.

Limestones with grades suitable for chemical and metallurgical use outcrop in three areas within the claims covered by this application. The proximity of this limestone to the iron-copper deposits and to likely adjacent beneficiation facilities makes this a valuable resource.

Geophysics

The Lyon iron-copper deposits were discovered as a result of an aeromagnetic survey performed in 1960. Since their discovery additional geophysical surveys, employing magnetic, electromagnetic

and electrical methods have been performed on the ground. These surveys proved useful in outlining both magnetic and nonmagnetic⁴ zones of mineralization, and in planning exploratory drilling programs.

VII

OUTCROPPING AND EVIDENCES OF COMMERCIAL ORE

Lyon No. 16 lode has iron and copper ore in commercial quantities encountered in drill hole 34, which is within its boundaries.

Lyon No. 17 lode has iron and copper ore in commercial quantities encountered in drill holes 33 and 98, which are within its boundaries.

Lyon No. 20 lode has iron and copper ore in commercial quantities encountered in drill holes 5 and 125, which are within its boundaries.

Lyon No. 21 lode has iron and copper ore in commercial quantities encountered in drill hole 9, which is within its boundaries.

Lyon No. 34 lode has iron and copper ore in commercial quantities encountered in drill hole 12, which is within its boundaries.

Lyon No. 35 lode has iron and copper ore in commercial quantities encountered in drill hole 10, which is within its boundaries.

Lyon No. 38 lode has iron and copper ore in commercial quantities encountered in drill hole 36, which is within its boundaries.

Lyon No. 39 lode has iron and copper ore in commercial quantities encountered in drill hole 44, which is within its boundaries.

Lyon No. 52 lode has iron and copper ore in commercial quantities encountered in drill holes 45 and 105, which are within its boundaries.

Lyon No. 53 lode has iron and copper ore in commercial quantities encountered in drill hole 35, which is within its boundaries.

Lyon No. 54 and Lyon No. 55 lodes have not been drilled. However, they lie within the limits of a probable open pit and favorable geophysical indications lead to the conclusion that recoverable ore exists within their boundaries.

Lyon No. 56 lode has iron and copper ore in commercial quantities encountered in drill holes 28, 63, 94, 106, 120, 121, and 122, which are within its boundaries.

Lyon No. 57 lode has iron and copper ore in commercial quantities encountered in drill holes 27, 70, 72, 73, 74, 75, 86, 87, 95, 99, 100, 101, 103, 104 and 119, which are within its boundaries.

Lyon No. 70 lode has iron and copper ore in commercial quantities encountered in drill holes 1, 13, 16, 41, 42, 46, 62, 68, 69, 71 and 118, which are within its boundaries.

Lyon No. 71 lode has iron and copper ore in commercial quantities encountered in drill holes 7, 38, 40, 48, 59, 60, 92, 93, 107 and 123, which are within its boundaries, and drill hole No. 61, which is on the line between Lyon No. 71 lode and Lyon No. 74 lode.

Lyon No. 72 lode has iron and copper ore in commercial quantities encountered in drill hole 37, which is within its boundaries, and an outcrop of metallurgical grade limestone within its boundaries.

Lyon No. 73 lode has iron and copper ore in commercial quantities encountered in drill holes 29, 114, 115, 126 and 127, which are within its boundaries.

Lyon No. 74 lode has iron and copper ore in commercial quantities encountered in drill holes 3, 17, 18, 20, 20A, 21, 23, 50, 51, 91, 108 and 109, which are within its boundaries, and drill hole No. 61, which is on the line between Lyon No. 71 lode and Lyon No. 74 lode.

Lyon No. 75 lode has iron and copper ore in commercial quantities encountered in drill holes 4, 14, 15, 15A and 47, which are within its boundaries.

Lyon No. 85 lode has iron and copper ore in commercial quantities encountered in drill hole 32, which is within its boundaries, and an outcrop of metallurgical grade limestone within its boundaries.

Lyon No. 86 lode has iron and copper ore in commercial quantities encountered in drill holes 8 and 67, which are within its boundaries.

Lyon No. 87 lode has iron and copper ore in commercial quantities encountered in drill holes 2, 2A, 19, 22, 49, 88, 90, 102, 111 and 112, which are within its boundaries, and drill hole No. 26, which is on the line between Lyon No. 87 lode and Lyon No. 88 lode.

Lyon No. 88 lode has iron and copper ore in commercial quantities encountered in drill holes 113 and 143, which are within its boundaries, and drill hole No. 26, which is on the line between Lyon No. 87 lode and Lyon No. 88 lode.

Lyon No. 89 lode has iron and copper ore in commercial quantities encountered in drill holes 25, 140, 141 and 142, which are within its boundaries.

Lyon No. 90 lode has iron and copper ore in commercial quantities encountered in drill holes 24, 89, 110, 116 and 117, which are within its boundaries, and drill hole No. 39, which is on the south boundary of Lyon No. 90 lode.

Lyon No. 91 lode has iron and copper ore in commercial quantities encountered in drill holes 30, 65 and 66, which are within its boundaries.

Lyon No. 92 lode has iron and copper ore in commercial quantities encountered in drill holes 6, 43, 55, 56, 57 and 58, which are within its boundaries, and drill hole No. 11, which is on the line between Lyon No. 92 lode and Lyon No. 101 lode.

Lyon No. 101 lode has iron and copper ore in commercial quantities encountered in drill holes 53 and 54, which are within its boundaries, and drill hole No. 11, which is on the line between Lyon No. 92 lode and Lyon No. 101 lode.

Lyon No. 102 lode has iron and copper ore in commercial quantities encountered in drill holes 31 and 144, which are within its boundaries.

Lyon No. 145 lode has iron and copper ore in commercial quantities encountered in drill hole No. 81, which is on the line between Lyon No. 145 lode and Lyon No. 146 lode, and an outcrop of metallurgical grade limestone within its boundaries.

Lyon No. 146 lode has iron and copper ore in commercial quantities encountered in drill hole No. 81, which is on the line between Lyon No. 145 lode and Lyon No. 146 lode, and an outcrop of metallurgical grade limestone within its boundaries.

Length and width of vein. This discovery is not a vein but a large replacement-type deposit which does not lend itself to accurate determination of length and width.

VIII

PRODUCTION

There has been no production of iron ore from these properties. The only iron ore which has been removed is that taken by core drills for sampling purposes.

IX

CLAIMANT HAS NOT HAD ANY PART IN THE
DEVELOPMENT OF ANY ATOMIC PROJECT

United States Steel Corporation, a corporation, the applicant for patent herein, has not had any direct or any indirect part in the development of any atomic bomb project.

X

ASSESSMENT WORK

That the applicant herein has performed the annual labor and assessment work required by the laws of the United States, the State of Nevada, and the rules and regulations of the Unorganized Mining District, in order to keep their possessory rights in and to said lode mining claims.

XI

CERTIFICATE OF TITLE AND NOTICES OF LOCATION

Applicant is filing herewith Certificate of Title on Mining Claims upon form 4-1246 dated June 20, 1966 which was prepared by Title Insurance & Trust Company, with offices in Reno, Nevada, together with certified copies of all Certificates of Location filed with the County Recorder of Lyon County, Nevada, which relate to the mining claims applied for. The certificate, which incorporates said Certificates of Location by reference, shows title to the thirty-two (32) claims herein applied for to be vested in the applicant. Supplemental certificate to the date of filing of this application will be filed after the filing of this application is acknowledged.

XII

LIST OF PAPERS FILED HEREWITH

1. Two copies of Field Notes
2. Two copies of the Plat of Survey consisting of two sheets each
3. Proof of Posting the Plat and Notice on the Claim.
4. Certificate of Title
5. Certified copies of Certificates of Location, as recorded
6. Logs of Drill Holes
7. Certified copy of Amended Certificate of Incorporation
8. Certificate by the Secretary of State of Nevada showing compliance by the applicant with the laws of Nevada
9. Publisher's Agreement in blank form, to be completed upon applicant's receiving notice from your office as to the name of the publisher and dates of publication
10. Notice for publication
11. Notice for posting in land office
12. Certified copies of Power of Attorney
13. Certified copies of Resolutions
14. Two copies of map designated 4P-228 showing drill holes.
15. Check No. 265164 in the amount of \$25.00 for payment of filing fee.

XIII

POSTING OF NOTICE OF APPLICATION

Notice of this application for patent and the plat of said group of lode mining claims was posted in a conspicuous place upon said mining claims upon the 30 day of August, 1966, the same having been posted where it can be easily seen, all of which appears from the proof of posting notice and plat which is filed herewith. The applicant herein has done all things necessary to retain possession of said mining claims and to entitle it to a United States patent.

XIV

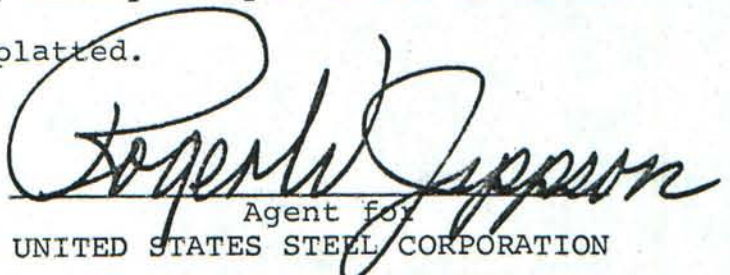
PATENT IS SOUGHT FOR MINERAL VALUES
AND NOT FOR SURFACE RIGHTS

This patent is sought in good faith for the minerals in the lands for which patent is applied, and not for the purpose of controlling streams or water courses or securing, owning, or controlling timber or other vegetative surface resources.

Based upon the studies that have been made and on a geophysical survey of the property and drilling, together with an accurate survey thereof involving topography, elevations, and geology and upon actual exploration work, such as drill holes and cuts, it is believed that a significant and economic quantity of iron and copper bearing lode material exists within said claims which can be benefited by conventional milling processes to produce an economic iron ore product suitable for use in applicant's blast furnaces for production of pig iron and an economically recoverable amount of copper.

This patent application is prosecuted to secure the legal title to the lands involved herein because the investment capital required to bring to full fruition this economic asset of the nation will be more secure and, therefore, more easily obtained if the lands are patented.

In consideration of the foregoing and in conformity with the provisions of Section 29, Chapter 2, Title 30 of the United States Code and any acts amendatory thereof and supplemental thereto, application is hereby made by UNITED STATES STEEL CORPORATION for United States patent for said lode mining claims, Mineral Survey No. 4879, hereinbefore described and hereby claimed and situated in the Unorganized Mining District, County of Lyon, State of Nevada, and so officially surveyed and platted.


Agent for
UNITED STATES STEEL CORPORATION

SUBSCRIBED and sworn to before me this 4th day of August, 1966, and I hereby certify that I consider the above deponent a credible and reliable person and that the foregoing affidavit was read and examined by him before his signature was attached thereto.

Lorna Belle Dunkak
NOTARY PUBLIC

In and for the County of Washoe,
State of Nevada

My Commission expires Oct. 28, 1966

