

STAT

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Railway Statistics

Translation of table headings at bottom of page 27.

LENGTH OF LINES
(Total in kilometers)

on / Jan of	Standard Gauge		Narrow Gauge		Total	
	Total	Electrified	Total	Electrified	Total	Electrified

Table headings on page 28.

CONSTRUCTION AND REPAIR OF TRACTION MATERIAL
(UNITS)

YEARS	STANDARD GAUGE				NARROW GAUGE		
	CONSTRUCTION				major repair	Construction	major repair
	Steam Locomotives	Electric Locomotives	Electric auto motives	Thermic auto motives	Steam locomotives	Steam locomotives	Steam locomotives

* - suit for Portugal

Construction and Repair of Standard Gauge motive material

Years	Construction		major Repair		
	Coaches	Passenger and open freight cars	Coaches	open freight cars	Box cars

CONSTRUCTION AND REPAIR OF STANDARD GAUGE MOTIVE MATERIAL

Years	Construction		major Repair		
	Coaches	Buy cars and open freight cars	Coaches	open freight cars	Buy cars

2

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Table headings on page 29

CURRENT POSITION OF STANDARD GAUGE ROLLING STOCK

Equipment	1936	1 Apr 39	31 Mar 41	1 Jan 42	1 Jan 43	1 Jan 44	1 Jan 45	1 Jan 46	1 Jan 47	1 Jan 48
-----------	------	----------	-----------	----------	----------	----------	----------	----------	----------	----------

Steam

Locomotives

in service

out of service

Total rolling stock

Electric

Locomotives

in service

out of service

total rolling stock

Electric Automobiles

in service

out of service

total rolling stock

Thermal automobiles

in service

out of service

total rolling stock

Coaches

in service

out of service

total rolling stock

Open freight cars

in service

out of service

total rolling stock

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(Continuation of table headings on pg. 29)

(5)

Box cars
 in service
 out of service
 total rolling stock
~~MM~~

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POSITION OF NARROW GAUGE ROLLING STOCK

Equipment Jan 1946 Jan 1942 Jan 1943 Jan 1944 Mar 1945 Jan 1946 Jan 47 Jan 48

Steam locomotives
 in service
 out of service
 total rolling stock

Electric locomotives
 in service
 out of service
 total rolling stock

Automotives
 in service
 out of service
 total rolling stock

Coaches + engines
 in service
 out of service
 total rolling stock

Box and open freight cars
 in service
 out of service
 total rolling stock

Observations: after 1942, the equipment
 of the Economic Railway (Ferrocarril
 Economico) from Pous to Salavt.

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(4)

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is included. after 1943, ~~the~~ equipment of the Railroad from Ojos Negros to Sagunto, of La Carolina Railroad and its branches, of the Railroad from Rio Tinto to Huelva, of the Electric Railroad from Vigo to La Ramallosa and of the Railroad from Gualdames to Sestas, is included.

Translation of ~~Table~~ ~~History~~ page 139

Translation

Patents Granted in 1948

- 183.788 ~~Improvements~~ introduced ~~in~~ spark plugs for combustion motors ~~by~~ Raymond Henry Dewar, domiciled in Tangiers
- 183.789 ~~Internal combustion engine~~ to Louis Stoppa, domiciled in Geneva, Switzerland
- 183.800 ~~Supercapacitive~~ ~~recharge~~

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Translation of headings on p. ~~42~~⁴¹

Chatana

the distribution of wrought iron (Chatana) and steel

<u>Domestic</u>	<u>Foreign</u>
kgms	kgms

- Steel mills
- Refractories
- Copper mines
- Fertilizers and chemical products
- Ferrous alloys
- other consumers

I RON

Iron received by authorized warehouses during the month of Nov 1948.

<u>Provinces</u>	<u>kilograms</u>
------------------	------------------

Table of iron ingot quotas assigned to foundries for the first half of 1949 and quotas of foundry points for the year 1949 - by provinces.

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6

Translation of cable page 47

Silver

Silver distribution for the month of Jan 48 was as follows:

for chemical industries	---
miscellaneous	---
Silver work	---
official orders	---
total	---

magnetized sheets of metal

Distribution of magnetic metal sheets during 1948 as approved by the Ministry of Industry and Commerce:

I <u>Shares</u>	Vizcaya			total
	P. Cheveria	...	Import	
	kilograms	kilograms	kilograms	kilograms
motors, generators + transformers				
electric soldering meters				
Elevators				
miscellaneous apparatus				
Radio telephony				
electrotherapy				

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(cont'd)
sound movies

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7

P. Electronic kgms	A. H. & U kgms	Amperes in kgms	Total kgms
-----------------------	-------------------	-----------------------	---------------

Telegraph + telephony

accumulators and elec-
tric piles (piles)

Heating, refrigeration and
domestic purposes

Share no 73 production
+ assembly of automobiles
and motorcycles

Share no 69 metallic toys

II Special necessities
(General Technical
Secretariat)

metals

III Advances (General Techni-
cal Secretariat)
reimbursable advances

IV compensation
~~reimbursable~~ shares

Vizcaya
Smelting
furnace

V. aznars compensation

V miscellaneous assign-
ments

totals

Note: a) where the column "Smelting
furnaces of Vizcaya" is concerned the
figures represent 75% of the ~~total~~^{total}
allocations
assignments.

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8

- b) under the heading "Imprestos" the figures represent the total ~~allocations~~ ^{allocations} even though the report operation had not been fully included at the time.
- c) For the year 1948, the figures for the "Furnaces of Vizcaya" represent ~~only 50% of allocations~~ ^{represent} for the II, III and IV categories ~~(April, May and June 1947)~~ ^(April, May and June 1947) represent only 50% of total ~~corresponding~~ ^{corresponding} allocations for the months of April, May, June 1947.

of section

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⑨

Patents Conceded Recently (Pp. 34-35)

167.462 Improvements in pressure gauges
conceded to Kienzle Apparate A.G., domiciled in Germany 14 June 1948.

183.430 Improvements in odorous installations.
conceded to Don Francisco Bellver Valls, domiciled in ~~the~~ Benimamet (Valencia).

183.772 Improvements in professional couplings conceded to Francisco Bofarull than domiciled in Barcelona - 6 July 1948.

183.776 Revolving mechanism applicable to reversible plows conceded to Manuel Barris otal, domiciled in Zaragoza

183.781 Improvements in motor cultivators & Herjes Staub domiciled in Zaragoza 21 May 1948

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183.787 ~~and~~ a machine that can be
an internal combustion engine or a
compressor conceded to Louis Shopfry
 domiciled in Geneva, Switzerland
~~conceded in May 1947~~ 21 May 1948.

183.804 a process for the manufacture
of bricks for construction purposes
 conceded 16 June 1948 to Laureano
 Arzagabal Heria domiciled in Las
 Palmas.

183.805 ~~is~~ a new safety and
dilatation mechanism for rotating
furnaces to ~~the~~ chemical and Electro-
 metallurgical Products Co. (Cie de
 Produits Chimiques et Electronometallurgiques)
 domiciled in Paris, France. 22
 May 1948.

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(11)

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183.810 velocity microphone system
to Ramon Rosells Oliva domiciled in
Barcelona, 24 May, 1948.

183.812 an electromechanical multiple
switch conceded to Luis Vil Casanova
domiciled in Barcelona 24 May 1948.

183.814 improvements in the construction
of repair of electric furnaces conceded
24 May 1948 to Francisco Torra Ferrer
domiciled in Barcelona.

183.819 a process for manufacturing
electric light tubes, conceded to
Fabrica Espanola de Lamparas de
cuarzo ^{S.A.} Spanish manufacturers of quartz
lamp, Inc domiciled in Madrid,
25 May 1948.

183.820 apparatus for

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(12)

183.821 a new ^{dynamic} microphone system
with movable coil conceded to
 Ramon Pardo Olivé domiciled in
 Barcelona 25 May 1948.

183.826 Improvements in supports
for radiotelephonic, electroacoustical
lamps and other similar apparatus
 conceded to Mechanical-Electrical
 Industries Inc. (S.A.I.M.E.) domiciled
 in Barcelona 26 May 1948.

183.840 - a safety apparatus for
installations which consume
gas conceded
 to Pablo Vidal Masch domiciled
 in Barcelona 28 May 1948.

183.841 - Improvements in unipolar
electric motors for the driving
of platforms or discs which rotate
at reduced velocity conceded to

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(13)

Pedro Paulsen Miguel domiciled in Barcelona - conceded 28 May 1948.

~~183.843~~ ~~van product...~~

~~183.846~~ ~~183.856~~

~~183.856~~ 183.856 a Suspension frame

for vehicles to Metropolitan - Vickers

Electrical Company Ltd domiciled in London, England 28 July 1948.

183.857 a ~~machine~~ circular ^{wood} sawing

machine for ~~water~~

183.859 a New Carburetor ^{conceded} ~~to~~

Jose Ariu Barandiaran domiciled in San Sebastian, 28 May, 1948.

183.862 - a mechanical compen-
sator for completion of automatic

levers, conceded to Antonio Ariso

Vidal, domiciled in Barcelona 29 May 1948.

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(14)

183.878 ~~Am hydraulic motor~~ Am hydraulic motor of
constant and continual action force
 conceded to Jose Cortés Vidarte domiciled
 in ~~Spain~~ ~~(Madrid)~~ Berlanga (Badajoz)
 31 May 1948.

183.888 Improvement in automatic
drills conceded to Arvid Holmström
 Diesel domiciled in Sweden 31 May
 1948.

183.905 metallic filter apparatus
for extraction of olive oils conceded
 to Manuel Collado Montañez domiciled
 in Ceja (Sevilla) 1 June 1948.

183.910 Improvements in variable
electrical resistances conceded to
~~Mr~~ Carlos Schwartz, domiciled in
 Barcelona 1 June 1948.

183.911 Improvements in locks for
packages conceded to wellslats

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(15)

limited domiciled in England 1 June 1948.

183.916 Improvements in ^{phase} transformers

systems for single wave bands

Transmitters conceded to the French

company Thomson-Houston, domiciled

in Paris 1 June 1948.

183.924 Process ~~and~~ for the cleaning

and degradation of metals - conceded

to the Societe Parine Aoustin domiciled

in Bagnac (department of Lot) 1 June 1948.

183.944 Brake apparatus conceded

to Jose Gomez Garcia domiciled in

Bilbao 3 June 1948,

183.949 air blowing, ~~sifting~~ sifting, cleaning

and bagging agricultural machine.

conceded to Bernabe Alonso Asua,

domiciled in Burgos 4 June 1948.

183.992 Improvements introduced

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(16)

in the construction of heavy plated
doors and similar constructions con-
ceded to nicolas de zubigarsky Elzevir
domiciled in Belgium 7 June 1948.

183.997 improvements in frames for
concrete structures conceded to Kurt
Billig domiciled in England 7 June 1948.

183.999 improvements in methods
for fixing the polarity of an electro-
static machine ~~conceded to National Scientific Research~~
conceded to National Scientific Research
Center domiciled in France 7 June 1948.

184.003 a signal control system
for electric apparatus conceded to
"Procedes Spitzer" S.A. domiciled
in ^{Paris} France 7 June 1948.

184.004 Dragging mechanism ~~for~~
an arrangement for rotating electric
switches

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(Handwritten mark)

switch conceded to "Proceeds Source"

S.A. domiciled in Paris, France 7 June.

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(17)

Industrial Installations Reported During
the month of Dec 48

Type	Name of Firm	Location	Classification
auto- mobile	Corporacion...	Madrid	construction and repair of automobile plants
auto- mobile	Valentin Gonzalez Perez	Valladolid	construction and repair of bodies
"	Fernando Manzano Rodriguez	Valladolid	"
"	Angel Zugasti Echeverria	Luispuzcoa	manufacture of handle bars for bicycles, drawers (pushers) and
"	Enrique Echeverria Cebalga	Luispuzcoa	manufacture of bicycle accessories, bings and machine repair shop
"	Francisco Vega Lanzabal	San Sebastian	manufacture of automobile radiators
"	Antonio Crespo Samper	Sevilla	manufacture of joints for explosion motors.
"	Miguel Perayre Solanas	Barcelona	manufacture of automobile access ories
"	Juan Ester Puig	Barcelona	manufacture of components for auto- mobiles

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(18)

- automobile manual operation madrid
Pena Repair shop for automobile wheels
- " Francisco Zabala Eibar manufacturer of explosion motors for bicycles
Uncelay
- " Francisco Amutio ~~Caceres~~ automobile parts repair shop
Echevarria madrid
- " Vicente Escribuela automobile repair shop
Bach Valencia
- " Francisco Mejias automobile repair shop
moet Sevilla
- " Jose Vidal Esque Tanajama automobile repair shop; machine repair shop
air shop
- " "Exportadores de Pescados S.A. auto repair shop
Cadiz
- " Eugenio Hernandez Caceres Body repair and painting shop
meson
- " Manuel Rey Romero Fa. moto and machine repair shop.
Covadonga

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(19)

automobile Antonio Masans ~~Barcelona~~ ^{Palma} de Mallorca auto repair shop.
 Nojales
 " Leicho Isern Pujol Barcelona manufacture of ~~cycles~~ motorcycles.
 " Luis Sanchez Ramos Avila auto repair shop.
 " Juan Lacambra del Val Bilbao repair shop for hydraulic automobile jacks.
 " Luis Goicolecha Alava Bicycle repair shop.
 " Antonio Roca Prats Barcelona manufacture of bicycle accessories and machine repair.
 " Antonio, Salva Ribi' Mallorca automobile & machine repair shop.
 " Jaime Muntzenat Camari' Mallorca bicycle repair shop.
 " Eustasio Aramburua Arteta Navana auto repair shop.

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(20)

- Automobile Jose Perello' Domenech Tanagma Bicycle repair shop
- " Juan Lupianez Jalen auto repair shop
- " Severino Rodriguez Gonzalez Las Palmas auto repair shop
- " Elias Marchan Maniquel Maniquel auto body repair shop
- " Fernando Anany Novat Modrid auto body repair shop
- " Ramon Cosadwell Ballus Barcelona auto repair shop
- " Manuel Martui Martui Jalen automobile radiator repair shop and water pipe repair in general
- ~~Jose Ramon~~ Jose Ramon Hinzalez Pelny ovedo iron works
- " Adolfo Hernica Quintana Azuaga iron works
- " Miguel Galceran Bosch Barcelona manufacture of locks
- " Bernardo Poman de la Blanca Conduba manufacture of locks

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(21)

- Engle
~~Lechman~~ Salvador Sanjuan Baralma lock
Sul workshop
- " Francisco Vidal Barcelona ironworks
Magalef. "
- " Florentino Bautista Avila
albananz "
- " Jose maria Martinz Almaden manufa-
Jorquera cture of
screws
etc.
- " Felipe Arnau Blanco Vizcaya Repair
shop
- " Francisco Carbayo Benavente horse shoes
Rodriguez
- " Jose maria Lazauro zaranz manufacture
"Lazauro + Co" of screws
- " Enrique Abad Nieto Madrid forge
shop
- Enging and Antonio Prieto Malaga Boiler Shop
Boiler works Puente
- " Pedro Hernandez casta - Forge
Garcia Sma
- Foundry "Tanest Ferrs" Baralma Foundry
of malleable
iron

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(22)

- Foundry Constantino Alvarez Aviles Iron
and Manuel Fern-
andez foundry
- " Jose Ribes Delgado Linares Iron
foundry
- Tools Antonio Pihl Martorell Barcelona Fugling
shops
- " Juan Senau Alvarez Huipuzcoa stamping
shop
and fabri-
cating iron
and brass
- " "Alaizola + Ortega, S.L." Madrid shop for
installing
of electric
hammers
- " Ricardo Nieto Pon Barcelona shop for
repair of
agricultural
tools.
- " Juan Juncosa Barcelona manufacture
of molds +
dies
- " Francisco Reguera Barcelona manufacture
Rodriguez of electrotherapy
and sanitary
equipment

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- Tools Enrique Garcia Ortega Dura manufacture of cutting plates
- Tin plating ~~Francisco~~ Dm Benito manufacture of pressure stoppers.
martin-Armo Rodriguez
- " anselmo Perna zaragoza Tin plating shop
Bujulada
- " Gaspar Paredes Valladolid Tin plating shop
Sacristan
- " Eleuterio Rodriguez Valladolid "
Toldano
- " Vicente Izart Puig Barcelona stamping of jewelry, objects and hardware
- ~~metal~~ Jaquim Poneta zaragoza stone work
~~metallic~~ Blancos
construction
~~industries~~
- " Antimo Redondo Madrid manufacture of small material for elevators
merino + Sons
- " Rafael Lopez maldonado Madrid ironwork construction
adi

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(24)

metal construction Daniel Garcia madrid repair shop
Garcia for unions
construction

agricultural Francisco Hidalgo
machinery # Cabanillas Huelva ironworks

" Pedro Garcia Gragna Badajoz ironworks

" Joel Humbert maswanti Tordera repair of
farm tools

" Federico Miguel Solvas Poduero manufacture
of fans
~~de~~ Rey

Precision Narciso Costa Compta Barcelona repair
~~equipment~~ of watches

" Juan Lambrecht Ripoll Moya de repair
Elbro of watches

Electrical alfonso MARTINEZ Sevilla repair of
machinery Fuentes electric meters

" Jose Doménech Barcelona installation
Castró of radio-
receivers

" Alberto Cabré Bordá Santa rem for
cruz Tenerife and
fluorescent
tubes

" "Ermita, S. L." madrid manufacture
of insulated
tubing

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(25)

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Electric mach- Jose M. Aragonés Barcelona manuf-
inery miaman and a. et. m. of
radio-re-
ceivers and
accessories

" Pedro Vico Gera mna electro-
mechanical
shop

" Juan José Boveras Eche Electric
Eche repairs

" Francisca Valdes Tejero Barcelona in-
stallation of
radio receivers

" Fernando Tanagón
Henes Barcelona "

" Antonio Davila de Barcelona chemical
mna resistances
for radios

" Jose Vila Roma Lrida electric
soldering
shop

" Carlos Andrés Badajoz ~~electric~~
Sanchez radio
repairs

" Montserrat Gisbert Barcelona manuf-
Estapa a. et. m. of
electric lamps

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Electric machinery Juan Canera Puerto de Electrical
Pimental la Luz repair shop

" claudis martinez Ruiz madrid inst-
allation of
radio
receivers

" manuel Garcia ortuno Alicante "

" Isabel macho Saiz madrid " "

" Vicente Bichal Saiz Valencia "

" Luis Sanchez Aramburu madrid "

" Luis Vilaplana Finaruzzi Gerona install-
ation +
repair of radio-
receivers.

Industrial machinery Santiago medaiega
Villanueva Pamplona ironworks

" Francisco albanán Montijo mechanical
millet ~~shop~~ repair shop

" Auxitar metalúrgica S.L. Castellon locksmith
+ forge

" Francisco Casado Moya machine,
de la moto, auto
Solis Frontera repair

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27

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Industrial machinery

Isabelo Ollas Ruiz
Yancho de la Sagna

Repair of farm tools

"

Jaime Guard Tugres
maria de la Salud

mechanical repairs

"

Miguel Suites Gual Mahon

machine repair shop

"

Francisco Navarro Ruiz Barcelona

minor mechanical repairs

"

Marcos Quintero Cano Santa Cruz Tenerife

machine repair shop

"

Francisco Vega Diaz Villva. del Fresno

Repair of grain machinery

"

office machinery and ~~household~~ equipment

" Carbonell, S.A. Barcelona manufacture and repair of miscellaneous equipment

Paper machinery and graphic arts

Jesús Aguirre Sans Escoriaza

manufacture of ~~paper~~ accessories for graphic arts

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(28)

textile machinery Juan Bonany Reina matero' manu-
acture of
textile mach-
inery

" Juan Olin Codofalch Sabadell construction
of textile
machinery

metal graphic Aurelio Segura Sevilla manufacture
Reina / of cork
stoppers
(tapon corona)

Siderurgy Augustin Roque Barcelona ~~France~~
Ouedes Handling
of iron

non-ferrous Emilia altes Instal-
transformations Top Barcelona ation, man-
and manufactures ufacture &
repair of
photographic
equipment

" Ramon Bigata Barcelona Restraivi
Paradisi and galvano-
plasty

" Jose Palau Llobregat Barcelona manufacture of
pressure lamps

" Jose Inglas Saekumi Barcelona lamp
light makes
and brass
works

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(29)

- Transformation and non-ferrous manufacturers
Ricardo Tejero Valencia Stamping, Jewellery
- " Jose Andres Sola Valencia manufacture of red lead
- " Federico Matui Bilbao Jewellery, Silver and gold work.
- " Fermín San Antonio Valencia zinc plated metals
- " Ramon Castilla Rey San Felisí Obregón non-ferrous foundry
- " Emilia Jimeno Valero Barcelona stamping of metals
- " Antonio Gonzalez Thande Salamanca machine repair shop and galvanoplasty.
- " Jose Levalet Huista Barcelona Non-ferrous

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Reports of Industrial Enlargements Reported

During the month of December 1948

Classification name of firm location industrial class

machine accessories - "Rodamuntes, S.A.E." Hospital de Lobos manufacture of ball bearings

automobile Antonio Sena Alvarez Logrono machine repair shop + manufacture of auto parts

" Pilar Guisán Rodriguez Madrid manufacture of auto parts

" Mariano Fernandez Plaza Madrid manufacture of auto gears

" Juan Clemente Mas Baelma manufacture of auto parts

" Francisco Giner Bero Valencia mechanized shop for handling auto parts

" Rafael Moreno Suarez ~~Jaen~~ auto repair shops

" Pedro Lili Aranzabal Breda manufacture of bicycle parts

RESTRICTED

31

RESTRICTED

- automobile Francisco Equia Ouel Loguño manufacture
of automobile
of radiators
- " Rafael Rodriguez Sierio Loguño iron work +
motor repairs
- " Nicasio Aguirre Camino Vitria radiator rep-
air + repair
of ~~auto~~ nichel
plates automobile +
bicycle parts
- " Manuel Rodriguez Honcey Madrid reconstruction of
auto parts
- " Emilio Carrasco Trillo Madrid assembly and
testing of
additive injection chambers
(combustion de inyeccion para motores)
- " Rafael Lizaga marturi Zaragoza manufacture
of auto parts
- " Jose Ventura Lopez Borelma manufacture of
automobile
chains
- " Ramon Calatayud Ruiz Jaen auto repair
shop
- " Julio Abel Ramon Valencia auto repair
shop
- " "Repuestos Mecanicos, S.L." Bilbao manufacture
of piston
belts for
explosion motors

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Automobile Juan Alota Piners La Ortava auto repair & paint shop

Ironworks Ramon Mario Calderon Cabeza del Rincón ironworks

" Jose Miro Palau ~~Reus~~ Reus ironworks

" Juan Ramon Bravo algeciras ironworks

" " Acha, Orlea, Eganía + Co." Zaldívar ~~Hardware~~ Hardware

" Ramon Gutierrez Pastor Puertollano machine shop

" Paulino Aguilera Munoz Peñabazorda ironworks

" Diego Rina Prieto San Luis repair shop

Forge + Boiler Works " Lumbra y Zubiaga, S.C." Zoroza repair of metal cases ~~packaging~~

Foundry " alba, S.A." mataro iron foundry

" " Lopart, S.A." Barcelona iron foundry

" Miguel Thins Marti Barcelona iron foundry

Tools " Albert, S.A." Durango ~~manuf.~~

~~" Santiago Camps La Comada manuf. of screws & nuts
Fernando de la Vega~~

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33

Tools Santiago Occampo Fernandez la Cruzada manufacture
de la Vega actual of
sheep
skins

" Patricio Cabanillos Gomez " " "

" Carlos Juan Mainet " Talleres Metalurg. cos de Valencia manufacture
"Avante" of
files

~~" Paulina Fernandez Jimenez Leon manufacture
of~~

~~" Pedro Juan Mainet Barcelona manufacture
of ~~wood~~
Saw blades~~

~~" Nicolas Arregui Elorza Orate forge shop
tool
making~~

~~" Demigis Tena Fays Badalona making of
drills~~

~~" Lorenzo Balanzategui Monzon manufacture
Zulueta of knives~~

metallic const- Hijo de Habino Villena metal work
ruction Industry Vizcaya Nieto for Venetian
blinds and

" Manuel Pardo Fernandez Madrid metallic stoppers
metal
construction
work

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(34)

metallic Juan + Jose Rey Baracaldo manufacture
shops of toys

agricultural Rafael Nadal Manacor iron works
machinery Vaguer

" Lucio Sanchez - Malpica machine shop
Cabezudo + otros

Electric "Industrias Pamplona small elect-
machinery "Industrias Thitulest, S.A." rical equip-
ment, molds
for synthetic
resins.

" Juan Esquiuz ~~Manresa~~ small electrical
Olivas Manresa equipment

" Vicente Jlleza Aspe electromechan-
Simiana ical repair
shop.

" "Miguel Pascual + Co," S.L. manufacture of
La Coruba electric
machinery

Industrial Jose Maria Campos iron works
machinery otal Biota

" Gabriel Campos Saad Palma machine
de repair
shop
Mallorca

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(35)

Industrial machinery	Lorenzo ofila Sites	Mahon	machine shop
"	Jorge Abad Sanchez	Zaragoza	machine repair shop
"	Luis Saubeda Fugast	Mataro	machine repair
"	Ramon Hurch Munoz	Castellon	machine repair + construction of semi-Diesel engines
"	"Talleres C.L.D."	Vizcaya	construction + repair of ind- ustrial in- stallations
office + Household Equipment	"Hispano Olivetti, S.A."	Barcelona	manufacture of adding machines
"	Carlos Ruiz Ponsati "Comercial, S.L."	Mahon	manufacture of adding machines
Textile machinery	"Tanks + Fenes, S.L."	Sabadell	repair of textile machinery
machine tools	"Construcciones Vases, S.L."	Bilbao	manufacture of machines for wood working

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- Machine tools "Construcciones Mecánicas Olmos Hernandez, S.L." Barcelona Construction of vacuum pumps
- Transportation and non-ferrous manufacture José Cortés Fernández Jaén manufacture of strapping
- " Manuel Clemente Gil Valencia manufacture of pen-nibs
- " J. y S. Cervelló Barcelona Founding & stamping of metals
- " José Antonio Usandizaga "Industria Ula" Bilbao manufacture of hardware
- " Agustín Balzategui Escofque Archa-valleta manufacture of kitchen utensils
- " Antonio Barfado Blasi Manresa Brazing and plating of machines
- " Maximus Baratos Rotador Burgos Foundry and for
- " Juan Retolaza Ibarra-guenguitia Bilbao Hand ~~chromed~~ chromed manufacture (chromado duro)

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RESTRICTED

(57)

Transformation &
non-ferrous
manufacture

Antonio Carrillo
Lopez

Barcelona

Distraction of
metals

"

Antonio Navarro
Perez

Barcelona

Silver and
gold ~~work~~
manufacture



- END -

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