

EIMCO



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THE EIMCO CORPORATION

634-666 SOUTH FOURTH WEST STREET
SALT LAKE CITY
UTAH, U.S.A.

CABLE ADDRESS
"EIMCO"

February 17, 1940

Miss Laura Gilpin
317 Cheyenne Road
Colorado Springs
Colorado

Dear Miss Gilpin:

Enclosed are the two negatives which you took in the Carlton Tunnel and which we no longer need. Your invoice for \$28.00 has been approved for payment and you will undoubtedly receive a check in the near future.

Enclosed, also, is a bulletin containing a reproduction of one of your photographs on the front page. This is the photograph which showed only part of the bucket and also showed light halation in several places. This photograph was retouched at considerable expense, but I think you will agree that the artist did a very good job.

Very truly yours,

THE EIMCO CORPORATION

Mgr., Sales Promotion

F.B. Garrahan:erc
Enclosures

MANUFACTURERS OF MINING AND INDUSTRIAL MACHINERY

LEVERAGE

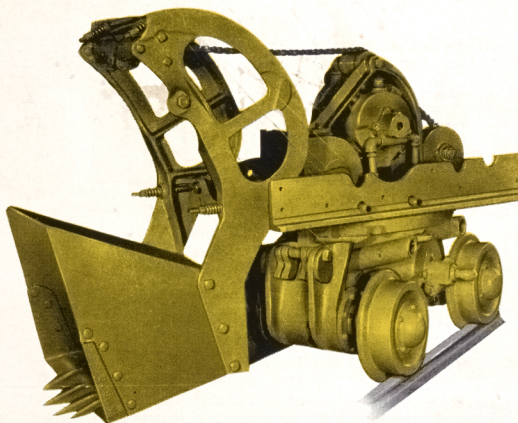


... made the pyramids possible ... enables the
EIMCO-FINLAY LOADER
 to out-perform any other type of mucking machine

The lever and the roller are as essential to good engineering today as they were six thousand years ago, and the illustration at right shows how effectively these two principles are combined in the powerful heat-treated nickel-steel rocker arms of the Eimco-Finlay Loader. Besides exerting TREMENDOUS LEVERAGE when the bucket is digging into the muck pile they apply, simultaneously, a sharp forward thrust which materially reduces the amount of tractive crowding required to help fill the bucket. As the bucket emerges from the muck pile the leverage exerted by the rocker arms gradually decreases, while the momentum of the bucket is correspondingly increased until it hits against the bumper springs (shown in diagrammatic illustration on preceding page) and discharges its load into the attached car.

Because the Eimco-Finlay Loader applies leverage to its bucket action so much more effectively than is possible with any other type of mechanical mucker it performs MORE USEFUL WORK in a given amount of time with only about half the power requirements, and with correspondingly lower air consumption. For the same reason, and for other reasons explained on the preceding pages, maintenance costs are very much lower—the savings becoming progressively greater with every year of service.

The accompanying illustration shows, also, how thoroughly all of the gears, bearings, and other precision parts are enclosed in massive heat-treated nickel-steel housings, where they operate in a bath of oil—practically immune to wear. The two Ingersoll-Rand compressed air motors—especially designed for this purpose—are equally protected against muck or water, and can be relied upon for years of trouble-free service.



EIMCO PATENTS

—give exclusive rights to the use of any rocker-arm profile other than a segment of a true circle, and thereby give exclusive rights to the use of the specially-shaped rocker-arm illustrated above. No other known method for controlling the action of a loader bucket permits such simple sturdy construction or gives such high efficiency. Other Eimco patents covering our positive automatic centering device, digging-width and crowding-thrust stops, etc., are equally important in their respective fields—affording the simplest, strongest and most dependable construction possible for achieving their several indispensable purposes.

THE EIMCO CORPORATION, Salt Lake City, Utah, U. S. A.

Other Money-Saving Eimco Products for the Mining Industry include:

All-Steel Electric Hoists
 Belt-Type Ore Feeders
 Ball, Rod and Tube Mills
 Super-Molychrome Liners
 for ball, rod and tube mills

Agitators—Classifiers—Thickeners
 for modern metallurgical
 processes
 Continuous Vacuum Filters
 Drum and Disc Types
 Modern Diaphragm Pumps

Simultaneous Clarification and
 Precipitation Units
 for cyanide plants
 Complete Mills and
 Concentrating Plants

Throughout the entire mining world, hand
 mucking is rapidly being superseded by
 the faster, more profitable, action of the

Eimco-Finlay LOADER





WORLD-WIDE *proves need for the simple* EIMCO-FINLAY

No Gadgets to cause trouble and expense

The world-wide success of the Eimco-Finlay Loader has, naturally, brought other mechanical mucking machines into the field, all of which resemble it as closely as possible in appearance and in general operating principle. When contemplating the purchase of a mucking machine, however, there are four important considerations to keep in mind:

FIRST The distinctive patented design and construction of the Eimco-Finlay Loader eliminates all necessity for auxiliary air cylinders, cut-off and kick-back devices, or other trouble-making "gadgets" of any kind.

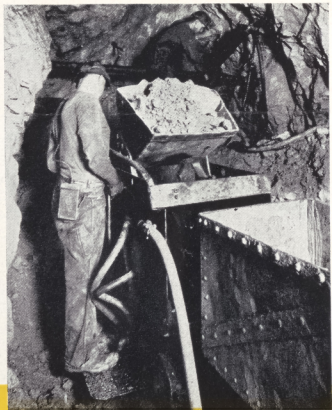
SECOND The only reason for having these "gadgets" on subsequently-developed competitive types of loaders is to achieve a comparable operating cycle without violating our patent rights.

THIRD Because the Eimco-Finlay Loader has no "gadgets" both air consumption and maintenance expense are very much lower than for any other type of mechanical mucking machine yet developed. Facts and figures to prove these statements will be furnished promptly on request.

FOURTH Although the fundamental operating principles of the original Eimco-Finlay Loader have proved inherently correct, our present models embody many important mechanical improvements which have kept them far ahead of all competitive types. Our Research and Engineering Departments are working constantly to anticipate new applications or requirements and can be relied upon to maintain Eimco-Finlay leadership in service to the mining industry.



Model 12 Eimco-Finlay Loader in operation at the largest copper-producing property in Montana. Note how easily bucket crowds into muck. Recent repeat orders have brought the present number of Eimco-Finlay Loaders at this famous property up to twenty-three.

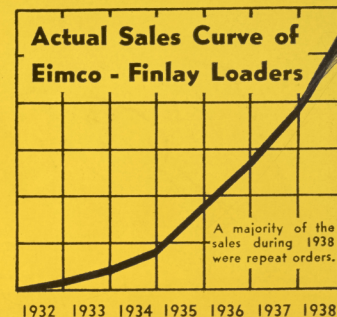


Same loader with bucket fully loaded. Action of automatic centering mechanism has brought bucket in line with car without effort on part of operator. No other known type of centering device gives such good results or costs so little to operate and maintain.



Same loader discharging into car. Note how completely and evenly the car is filled. Note, also, large size of bucket (six cubic feet) which enables average operator to load a 20-cubic foot car in less than one minute at moderate working speed. Our Model 20 machine is equally effective for loading larger cars.

SUCCESS *rugged construction of* LOADERS



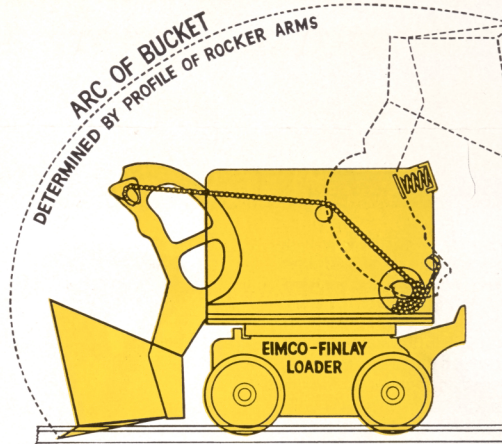
Lowest Head-Room Requirements

Patented Rocker-Arm Profile permits arc of bucket to be flattened so that highest point is very little higher than that of bucket in dumping position. By thus reducing head-room requirements great savings are often secured—especially in drifts not intended for permanent haulage ways.



Maximum Leverage and Forward Thrust

Tremendous leverage at beginning of stroke, accompanied by maximum scooping effect, is secured through patented profile of the rocker arms. This reduces power requirements for both traction crowding and bucket raising—cuts air consumption to little more than half that required by other loaders of comparable capacity.



Bucket Returns By Gravity

Patented profile of rocker arms permits bucket to return automatically by gravity (under control of operator) to loading position after dumping. By thus eliminating any need for additional mechanical devices to accomplish this purpose we also eliminate a common source of trouble and expense in other types of loaders.



Automatic Protection Against Dumping Shocks

Diagram shows how chain pull is automatically neutralized when bucket reaches dumping position, thereby automatically protecting motors and driving mechanism against dumping shocks without need for complicated "cut-off" devices. Note, also, how decreased leverage and increased chain-reel diameter combine to give dumping momentum.

Eimco's Patented Rocker-Arm Mucking Action

eliminates all necessity for "Cut Off" and "Kick Back" devices

As explained by the text and diagrammatic illustration above, the exclusive patented design and construction of Eimco Rocker-Arms automatically neutralizes all power applied through the pull-back chain when the bucket is in its dumping position, thereby eliminating any need for mechanical devices to cut off the supply of air to the pull-back motor at that time. After dumping, the bucket returns to the digging position by gravity (under control of the operator) without need for an auxiliary air cylinder, or any other accessory "kick-back" equipment. No gears or racks are exposed to muck and water.

Eimco's Patented Automatic Centering Mechanism

eliminates need for auxiliary air cylinders—gives better results

When side digging, the bucket and rocker-arm assembly of the Eimco-Finlay Loader is automatically brought into line with the wheel-base, before discharging into the attached car, by a simple cam-type mechanism which is absolutely dependable and involves no thought or effort on the part of the operator. A convenient adjustment provides for manual direction of the bucket discharge in the rare cases where operation on a sharp curve necessitates off-center dumping to prevent spillage. No other known type of centering device gives such good results, or costs so little to operate and maintain.

The Eimco-Finlay Loader not only pays for itself in as little as 600 ft. of drifting, but often effects big savings in loading out of stopes and raises by eliminating the usual expense of installing bins, chutes and gates. Besides containing complete information regarding Eimco-Finlay Loaders, our 32-page bulletin, No. 103, is an up-to-date text book on mechanical mucking. If you have not already received your copy you can secure it without charge or obligation from the nearest Eimco Branch Office or Sales Agent listed below, or by writing direct to

THE EIMCO CORPORATION, Salt Lake City, Utah, U. S. A.

NEW YORK

INGERSOLL-RAND CO., LTD.
165 Queen Victoria St., London, Eng.
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Troy House, Johannesburg, S. A.
*HODGSON & CRANSTON
Boulder Road, Kalgoolie, Australia
CLYDE ENGINEERING CO.
Wellington, New Zealand

CHICAGO

*COMPAGNE INGERSOLL-RAND
46 Rue DeCourcelles, Paris, France
*MINE EQUIPMENT COMPANY
Kirkland Lake, Ontario, Canada
*B. C. EQUIPMENT CO., LTD.
551 Howe St., Vancouver, B. C., Can.

*Replacement parts carried in stock by agents indicated with asterisks

EL PASO

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Manila and Baguio, Philippine Islands
AMERICAN TRADING COMPANY
Tokyo, Japan
INTERNATIONAL MACHINERY CO.
Rio de Janeiro, Santiago and Antofagasta

*SACRAMENTO

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Str. I. C. Brailanu No. 4,
Ploesti, Roumania
HAEBRE & COMPANY
Slotsigt 7, Oslo, Norway
DEMAS & NICOLAIDIS
Coral 4, Athens, Greece

What Users Say . . . about The Eimco-Finlay Loader

From Colorado:

"We are using the Model 20 Eimco-Finlay Loader to drive a 4,000-ft. tunnel which has a cross-section averaging 8 1/2' x 8 1/2', with a 2' x 2' drainage ditch below the rail level. Operating on a two-shift basis the daily advance averages 16 ft.

"Actual net mucking costs have been reduced from 50 cents per ton (hand-mucking at 11,200 ft. altitude) to 25 cents per ton, but the big saving is in the time required to muck out and prepare for the next round. Only 2 1/2 hours elapse, on the average, between the firing of a round and the beginning of drilling for the next round. Only 1 1/2 hours is required for the loader to muck up and clean out—the remaining hour being used for bringing in and setting up the drilling equipment."

From British Columbia:

"I take this opportunity, also, to congratulate your engineering department on the Model 12-B Loader which is far superior to any other mucking machine we have ever known. We are using it three shifts per day in an 8'x10' cross-cut, averaging 19 ft. advance every 24 hours, and estimate that it has already more than paid for itself. No repairs have yet been required."

From South Africa:

"We have found your loaders to be of the greatest assistance in driving our main crosscuts and for loading rock blasted down on haulage ways when starting new stopes. The time and money saved through their use has been an important factor in keeping our production costs down, and permitting profitable operation on relatively low-grade ore."

From Mexico

"Our Eimco-Finlay Loader is very satisfactory. It has been working two shifts per day for more than four months, and the only lost working time has been the few minutes required to replace one broken hose."

THE EIMCO CORPORATION, Salt Lake City, Utah, U. S. A.

Other Eimco Products for modern mines and mills include Electric Hoists, Jaw Crushers, Ore-Feeders, Ball-Mills, Super-Molychrome Liners, Drum- and Disc-Type Filters, Diaphragm Pumps, Agitators, Classifiers, Thickeners, Simultaneous Deaerating, Clarification and Precipitation Units—Complete Mills and Concentrating Plants. Write for bulletins and prices.

From France:

"Our Mr. Chapuis is now back from Rouchamp and I am pleased to say that the Eimco-Finlay Loader is giving very satisfactory service. They load 48 cars of 750 kgs. capacity in from 2 1/4 to 2 1/2 hours, notwithstanding that some of the lumps weigh as much as 150 kgs. Since the temperature in the gallery is around 100° F. the same work, when done by hand, requires the labor of four men for more than six hours."



From Ontario:

"We use both 35 and 65 cu. ft. mine cars, and our problem was to find a mucking machine that could load both sizes efficiently and economically. We tried another type of loader with unsatisfactory results, but your Model 21 Eimco-Finlay has proved a natural for the job. It fills the 65 cu. ft. cars in less than two minutes and the 35 cu. ft. cars in about one minute."

From a small Montana mine:

"The Eimco-Finlay Loader is certainly doing a great job for us. We have done nearly a thousand feet of cross-cutting and drifting without a single repair or trouble of any kind, and would never consider trying to get along with hand-loading again. This machine has already more than paid for itself, and it is still practically as good as new."

From Greece:

"Our Eimco-Finlay Loader is being used for driving an adit 1100 metres long, and has proved very helpful, both for lowering the cost of mucking and for speeding up the progress of the work. Its maintenance expense is very low and we express our complete satisfaction with its performance."

From Colorado:

"Our Model 12-B Eimco-Finlay Loader has now been in use two shifts per day, for more than six months. No doubt you will be interested to know that this machine has more than paid for itself through savings in mucking expense, and has greatly speeded up the daily advance in drifts and back stopes. No repairs or replacements have been required up to date, and the loader is in excellent condition today."

From a loading-machine operator in Idaho:

"I wish to advise that I am operating one of the first Eimco-Finlay Loaders ever shipped to the Coeur d'Alene district. It has been in almost constant service for nearly five years on a two and three shift per day basis, and its motors are still as smooth-running and powerful as when first purchased, although it has only had light repairs, and never any general overhauling."

"I am using it on contract work, and if I did not have it, would have to get more than twice as much per foot to make out as well with hand mucking."

From Cuba:

"Our Eimco-Finlay Loaders have cut the labor cost for mucking in half, and greatly speeded up the driving of headings. Native laborers operate them satisfactorily, and they are easily taken from level to level on our mine cages without dismantling. Because they clean up a round so easily we now drill much deeper rounds than before, yet the native laborers blast regularly at the end of every shift."

The Model 21

EIMCO-FINLAY LOADER FILLS this 65 cu. ft. car in less than two minutes



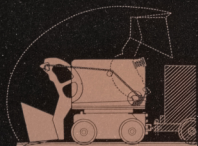
At the largest copper-producing property in Montana . . . where a highly-efficient management tests all new equipment very thoroughly . . . the Model 21 Eimco-Finlay Loader is giving "satisfactory service" on a heretofore impossible job. Every other type of mucking machine on the market has been given a fair trial, but only the big, husky, new Model 21 can FILL the 7-ft. long, 65-cu. ft. side-dump car shown above. The Model 21 not only fills it completely in less than two minutes but does so with such ease, and freedom from trouble of any kind, that additional units have been ordered for immediate delivery.

Some of the Reasons why FAR MORE EIMCO-FINLAY LOADERS

are being manufactured
and sold **TODAY** than
all other competitive
types combined!

SIMPLE, POWERFUL, DESIGN CANNOT BE EQUALLED

When considering the claims for any other type of mucking machine, remember that all of its features were available to the designers of the pioneer Eimco-Finlay Loader, and were rejected in favor of the distinctive PATENTED ROCKER-ARM MUCKING ACTION which is the foundation of the entire Eimco-Finlay Design, and affords fundamental operating advantages which cannot be secured in any other way. No other manufacturer of mucking machines can give these money-saving advantages during the lifetime of our patents.



EIMCO PATENTS

—give exclusive rights to the use of the specially-shaped rocker-arm illustrated above. No other known method for controlling the action of a loader bucket permits such simple sturdy construction or gives such high efficiency. Other Eimco patents covering our positive automatic centering device, digging-width and crowding - thrust stops, etc., are equally important.

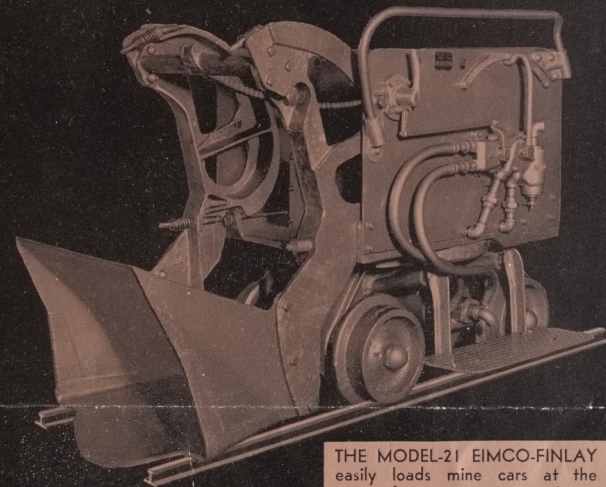
.. and why we stand back of
every Model 12-B or Model
21 Eimco-Finlay Loader with
an unconditional money-
back guarantee that it will
out-perform any other muck-
ing machine on the market,
at any air pressure or under
any working conditions.

NO GADGETS TO CAUSE TROUBLE AND EXPENSE

The distinctive patented design and construction of the Eimco-Finlay Loader eliminates all necessity for auxiliary air cylinders, cut-off and kick-back devices, or other trouble-making "gadgets" of any kind. The only reason for having any of these features on competitive machines is to secure a comparable operating cycle without violating our patent rights. Because the Eimco-Finlay Loader has no "gadgets" both air consumption and maintenance expense are very much lower than for any other mucking machine.

RECENT PURCHASERS

*AMERICAN SMELTING & REFINING CO.
*ANACONDA COPPER MINING CO.
*BANNER MINING CO.
*BENGUET CONS. MINING CO.
*BROULAN PORCUPINE MINES, LTD.
*BUFFALO ANKERITE GOLD MINES, LTD.
*CAYUGA ROCK SALT CO.
*CENTRAL EUREKA MINING CO.
*CHEROKEE MINE
*CIA. MINERA DE MAGUARICHIC, S. A.
*COEUR D'ALENE MINES
*COMBINED METALS REDUCTION CO.
*CONSOLIDATED COPPERMINES CORP.
*CONS. TIN MINES OF BURMA, LTD.
*DOME MINES, LTD.
*FALKENBRIDGE NICKEL MINES, LTD.
*GOLDEN CYCLE CORP.
*GOLDEN PLATEAU MINE
*GOLDEN ZONE MINE
*HARDROCK GOLD MINES, LTD.
*HOLLINGER CONS. GOLD MINES, LTD.
*HOMESTAKE MINING CO.
*MALARTIC GOLDFIELDS, LTD.
*MATACHEWAN CONS. MINES, LTD.
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*NEVADA CONSOLIDATED COPPER CO.
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*PHELPS DODGE CORPORATION
*PRESCOTT LEASE
*SLIDE MINES, INC.
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*TIMMINS OCHAL MINING CO., LTD.
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*WAITE AMULET MINES, LTD.
*WARREN PIPE & FOUNDRY CO.
*WOODWARD IRON CO.
*Other Eimco-Finlay Loaders in use



THE MODEL-21 EIMCO-FINLAY
easily loads mine cars at the
rate of two tons per minute.

WHIRLWINDS OF SPEED AND POWER

Eimco-Finlay Loaders have always had ample power for high-speed operation at normal air pressure (70 to 90 lbs.) but our new Model 12-B and Model 21 machines operate with equal efficiency on 60 lbs.—can be equipped, if necessary, for efficient operation on air pressures as low as 40 lbs. Obviously these new machines offer a vast surplus of speed and power at normal air pressures, but at the highest pressures, can be operated as rapidly or slowly as desired without need for a reducing valve, and without the slightest danger of injuring any part of the mechanism.

HOLD ALL RECORDS FOR FAST LOADING

No other type of underground mucking machine has even remotely approached the loading records established by our earlier models, and our present machines are far better. At a famous gold mine in Canada the average time required for loading 35-cu. ft. cars is less than a minute—at the largest copper-mining property in Montana 65-cu. ft. cars (with flash boards) are loaded in less than two minutes—at the Carlton Tunnel, now being driven to dewater a group of gold mines near Cripple Creek, Colorado, 87-cu. ft. cars are loaded in less than three minutes. Nine 6 1/2-ft. rounds (9' x 9' section) are being mucked out every 24 hours at the Carlton Tunnel — with daily advances as high as 61 ft., thereby breaking all world's records.

BRUTES FOR PUNISHMENT

Mining men who have marveled at the ability of our previous models to slash their way through the toughest muck piles, year after year, without injury to any important part, will find these new models even more durable—notwithstanding their greater speed and power. Heat-treated alloy-steel castings—oversize Timken and S.K.F. bearings—huge factors of safety over any possible operating strain in every working part—seven years' experience in developing a thoroughly balanced design—all combine to make Eimco-Finlay Loaders practically immune to breakage.

AMAZINGLY ECONOMICAL TO OPERATE

The simplicity and ruggedness of the Model 12-B and Model 21 Eimco-Finlay Loaders minimizes the number of wearing parts and reduces maintenance expense to unbelievably low figures. Records of many users show that the cost of replacement parts is less than that of the shovels, picks, and turnsheets required for doing the same amount of mucking by hand. Air consumption for the Model 21 is about the same as for a "drifter" drilling machine, and correspondingly lower for the Model 12-B. Direct mucking costs average less than half of hand mucking costs, without taking into account the much greater saving in overhead due to greatly speeding up the work. Total savings usually pay for the loader in a few months.

THE EIMCO CORPORATION

SALT LAKE CITY, UTAH, U. S. A.

NEW YORK
330 W. 42 St.

CHICAGO
333 No. Michigan Ave.

EL PASO
Mills Bldg.

SACRAMENTO
1217 7th Street

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*HODGSON & CRANSTON
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*CAMPAGNIE INGENIER-CONSTR.
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*MINE EQUIPMENT COMPANY, LTD.
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551 Howe St., Vancouver,
B. C., Canada

*Replacement parts carried in stock

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*AMERICAN TRADING CO.
Tokyo, Japan
*J. E. TREACY COMPANY
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Ploesti, Roumania
*HAERRE & COMPANY
Slotsgt 7, Oslo, Norway
*DEMAS & NICOLAIDIS
Corai 4, Athens, Greece
*CLYDE ENGINEERING, LTD.
Wellington, New Zealand

UNUSUAL OPPORTUNITY for Leasers and Small Mining Companies

At the present time we have several Model 11 Eimco-Finlay Loaders in stock which have been taken in trade for our newer machines, and which we are offering on very attractive time-payment or rental terms. These machines have been thoroughly reconditioned, and for all practical purposes are as good as new.



At a Famous Canadian Gold Mine, this
EIMCO-FINLAY LOADER
Fills Two-ton Cars in Less Than a Minute

The rock is very hard rhyolite porphyry, breaking in long slabs which are unusually difficult to handle, but this husky new Model -21 Eimco-Finlay Loader has proved a "Natural" for the job. Actual loading time per car, in a carefully-timed test, ranged from 40 to 45 seconds; and the entire 7-ft. round (8-ft. x 8-ft. heading) was mucked out in two hours, although the siding was 500 ft. from the face.

Just another reason why *more Eimco-Finlay Loaders are being manufactured and sold today than all other types combined*, and why we guarantee our new 1939 models to *out-perform any other type of underground mucking machine at any air pressure and under any working condition.*

Write for new illustrated bulletin giving complete information.



THE EIMCO CORPORATION, Salt Lake City, Utah, U.S.A.

NEW YORK, 330 W. 42nd St.

INGERSOLL-RAND CO., LTD.
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 Boulder Road, Kalgoorlie, Australia

CLYDE ENGINEERING LTD.
 Wellington, New Zealand

CHICAGO, 333 N. Michigan Ave.

*COMPAGNIE INGERSOLL-RAND
 46, Rue de Courcelles, Paris, France

*MINE EQUIPMENT COMPANY LTD.
 Kirkland Lake, Ontario, Canada

*B. C. EQUIPMENT CO., LTD.
 551 Howe St., Vancouver, B. C., Can

EL PASO, Mills Bldg.

*MARSHMAN TRADING CORPORATION
 Manila and Baguio, Philippine Is.

AMERICAN TRADING COMPANY
 Tokyo, Japan

INTERNATIONAL MACHINERY CO.
 Rio de Janeiro, Santiago and
 Antofagasta

*SACRAMENTO, 1217 - 7th St.

J. E. REACY COMPANY
 Str. I. C. Bratlanu No. 4

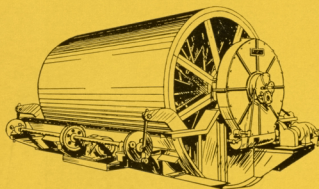
Ploesti, Roumania
 HAEHRE & COMPANY

Sletsteg 7, Oslo, Norway
 DEMAS & NICOLAIDIS
 Corai 4, Athens, Greece

**Replacement parts carried in stock by agents indicated with asterisks*

OTHER EIMCO PRODUCTS

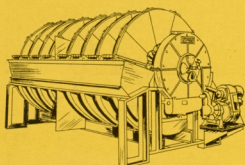
for modern mines and mills - - - - *include*



EIMCO DRUM FILTERS

Especially effective for cyanide and other services where thorough washing of the cake is necessary. Low submergence, large washing zone, and many superior mechanical features assure maximum capacity, even cake formation, highly efficient washing, and lowest known operating and maintenance expense.

Manufactured in 24 standard sizes with drums ranging from 4 ft. to 14 ft. in diameter, and from 2 ft. to 18 ft. in length.



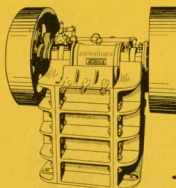
EIMCO DISC FILTERS

are unequalled for dewatering flotation concentrates, etc., because of the comparatively small floor-space required for any given capacity, low initial and operating costs, and the fact that filter cloth or segment changes can be made with little or no loss of operating time.

Manufactured in 21 standard sizes with drums ranging from 4 ft. to 12 ft.

Small filters, of either the drum or disc type, up to 65 sq. ft. of filtering area, can be supplied with all accessory equipment mounted on one common base—complete and ready to operate.

EIMCO JAW CRUSHERS



castings give maximum strength with minimum weight—jaw plates are interchangeable

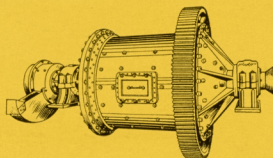
able and reversible—distinctive lubrication system automatically forces a constant stream of clean oil through all bearings, giving high efficiency at moderate first cost and minimum maintenance expense.

EIMCO BELT-TYPE ORE FEEDERS

are designed especially for feeding crushed ore from bins to ball mills, and equipped with variable-speed motorized drive unit which gives wide range of regulation. Manufactured in any length or width to meet specific requirements.

EIMCO BALL MILLS

combine lowest possible operating and maintenance costs with highest known efficiency. Both grate discharge and central discharge overflow types are manufactured in seventeen standard sizes, ranging from 3' x 2' to 10' x 6', with power requirements from 5 to 250 H.P. Illustration below shows cone-head

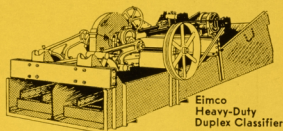


type, but our plain-head types are widely used—especially for small and medium size installations.

The Eimco center-discharge mill can be converted into a grate-discharge mill at any time by addition of our improved grates and liners. Both types of Eimco Ball Mills are suitable for either wet or dry grinding.

EIMCO SUPER-MOLYCHROME LINERS FOR BALL, ROD, AND TUBE MILLS

Besides being extremely hard these modern liner castings are so tough that they can be worn to a knife-edge at their more exposed points without breaking. This heretofore impossible combination of hardness and toughness is due primarily to the use of correctly proportioned alloys but very largely, also, to our exclusive process of refining and heat-treating in especially-designed electric furnaces and ovens under automatic electric control. Results obtained by many prominent mining companies under a wide variety of operating conditions enable us to furnish initial orders of Super-Molychrome Liners with a positive guarantee that they will cut your liner costs, per ton of ore ground, below the best results previously secured.

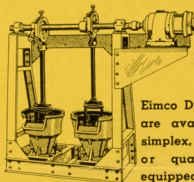


AGITATORS, CLASSIFIERS, THICKENERS, ETC.

For operation in closed circuit with ball mills, and for all other metallurgical milling and processing requirements, we manufacture a complete line of reciprocating simplex and duplex type classifiers, arranged for either belt or direct motor drive as desired. We also manufacture a complete line of modern agitators and thickeners. Eimco Thickeners are normally supplied with low-head steel superstructures and geared motor drives, but can be furnished to meet any specification or requirement—with or without tanks.

SIMULTANEOUS CLARIFICATION AND PRECIPITATION UNITS

precipitate and recover gold and silver from cyanide solutions with maximum efficiency and economy. Manufactured in a wide range of capacities and used at many well-known mining properties. We also manufacture a highly superior type of zinc-dust feeder for use in this connection.



EIMCO DIAPHRAGM PUMPS

Eimco Diaphragm Pumps are available in either, simplex, duplex, triplex or quadruplex types, equipped for either belt drive or with direct-connected motorized speed-reducing drive unit as here illustrated. Welded structural-steel frame parts are bolted together for knock-down shipment and easy assembling.

COMPLETE MILLS AND CONCENTRATING PLANTS

EIMCO, at a set contract price, will design, erect and equip a modern mill or concentrating plant, with pre-tested flow sheet, which assures highest recoveries at lowest cost. We maintain complete facilities and personnel for doing the entire job—from working out the correct metallurgical treatment in our own testing laboratories to building the entire plant and operating it for any desired length of time.

THE EIMCO CORPORATION

Salt Lake City, Utah, U. S. A.

NEW YORK

CHICAGO

EL PASO

SACRAMENTO