

# INDICO

■ OIL FIELD ■  
EQUIPMENT

• CATALOG - 42 •

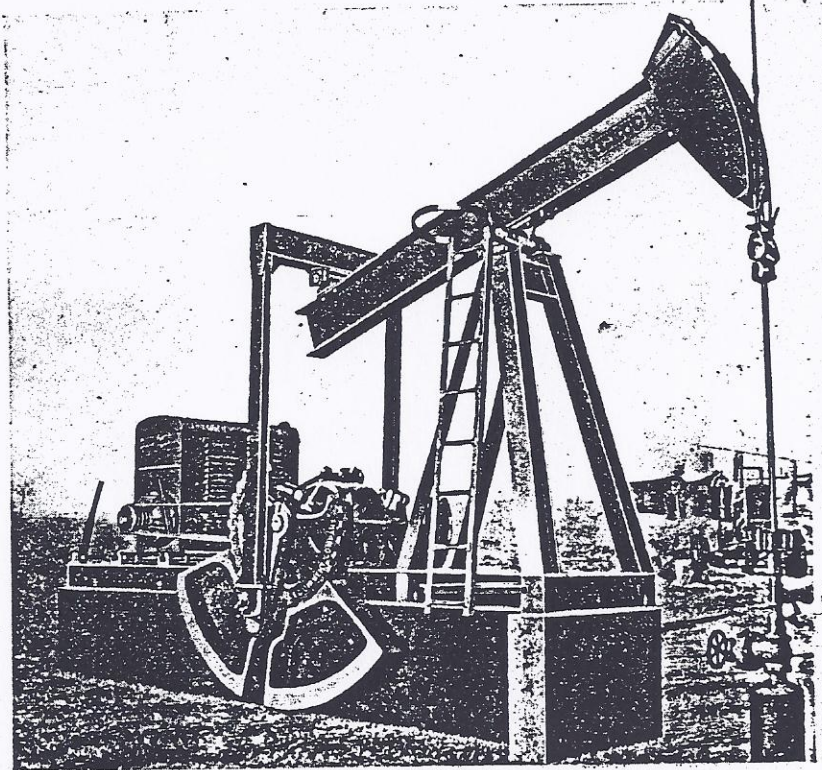
# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

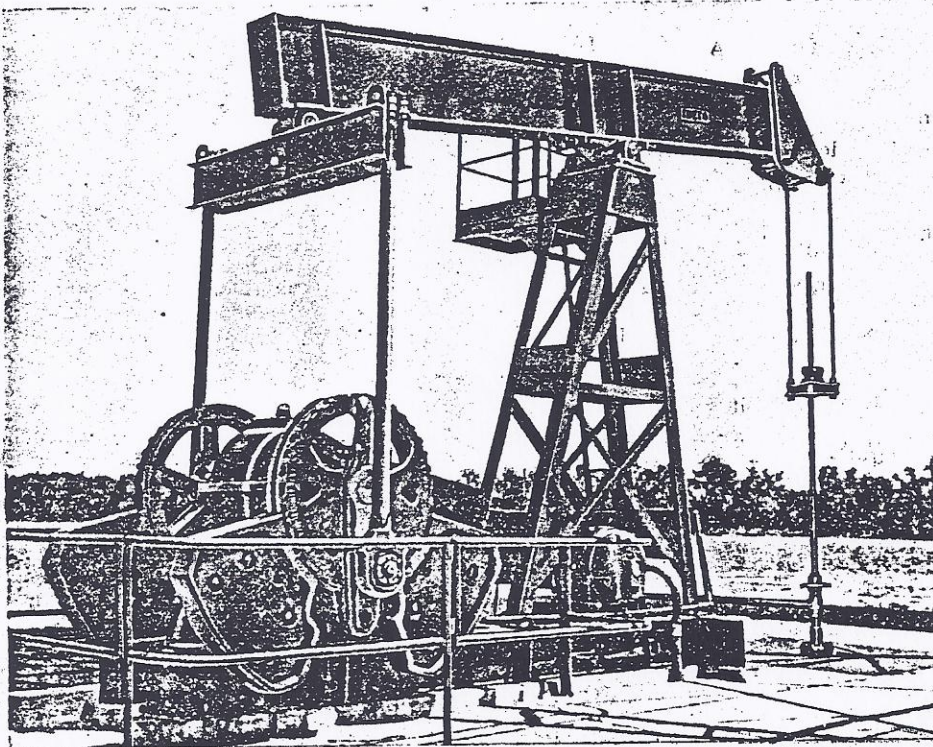
## IDECO PUMPERS

A background of fourteen years of experience in building thousands of Geared Pumpers for oil field service gives ample proof of the dependability of the Ideco Machines. During this period Ideco has introduced many important improvements in design which have contributed in a large measure to the present state of perfection of the geared pumper in general. Our latest contribution is the Design "C" Pumpers illustrated on this page and listed on the first two pages of pumper specifications.

The Design "C" Pumper is available thus far only in the smaller sizes for use in light and medium service. They are all twin crank machines equipped with long one-piece steel base, heavy C-Beam type samson post with angle back braces, portable



*Typical Installation of an Ideco Design "C" Pumper*



*A Modern Electrically Driven Design "A" Ideco Pumper*

type pitman-and-equalizer assembly and removable mule head. All of the important features of the well-known Design "A" pumps have been retained in the Design "C" machines—roller type wrist pin bearings, needle type equalizer, center iron and hanger bearings, centralized lubrication system, wheel type cranks, universal prime mover rails, etc.

The Design "A" Pumper with its short base and base extension, four-legged samson post, pin-type equalizer and hinged-type mule head is available for medium and heavy service.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO DESIGN "C" PUMPER REDUCERS 18, 44 AND 62

PUMPER NUMBER.....	DT-61	DT-81	DT-82	DT-1013	DT-1014	DT-1015
Pumper Reducer Number.....	18	44	62	62	62	62
Pumper Structure Number.....	T0-H6	T1-H8C	T2-H8C	T2A-H10BC	T2A-H10C	T2A-H10FC
Weight, Pounds—Standard Equipment**	2,000	3,407	4,135	5,177	5,634	6,639
List Price—Standard Equipment.....	\$985.00	\$1,555.00	\$1,925.00	\$2,180.00	\$2,307.00	\$2,427.00

### SPECIFICATIONS

SERIES.....	6,000	8,000	8,000	10,000	10,000	10,000
Nominal H.P. @ 20 S.P.M. (A.P.I.).....	3.6	8.8	12.5	12.5	12.5	12.5
Peak Torque @ 20 S.P.M.—Inch Pounds.....	17,900	43,800	62,200	62,200	62,200	62,200
Single or Double Reduction.....	Double	Double	Double	Double	Double	Double
Sub-Base Under Reducer.....	None	None	None	None	None	No. 8442
Overall Gear Ratio.....	25	30.3	30.9	30.9	30.9	30.9
Crank Shaft Diameter at Bearings.....	2½"	4"	4½"	4½"	4½"	4½"
Oil Capacity Gear Case, Gallons.....	1¼	3½	5½	5½	5½	5½
Crank Number.....	8198	L-1	L-1	L-2	PW-1	PW-1
Counterweight Number.....	Beam	Beam	Beam	Beam	WH-1	WH-1
Length of Stroke—Inches.....	16-18-21-24	28-30-33-36	28-30-33-36	24-33-42	24-33-42	24-33-42
V-Belt Sheave—Standard.....	18" x 3B	18" x 4B	19" x 3C	19" x 3C	19" x 3C	19" x 3C
V-Belt Sheave—Maximum Diameter.....	18"	18"	19"	19"	19"	19"
*Walking Beam Rating (A.P.I.), Pounds.....	6,000	8,750	8,750	10,250	10,250	10,250
Walking Beam Size.....	10" @ 21 lb.	14" @ 30 lb.	14" @ 30 lb.	14" @ 42 lb.	14" @ 42 lb.	14" @ 42 lb.
Well End Working Centers.....	3' 0"	4' 0"	4' 0"	5' 0"	5' 0"	5' 0"
Pitman End Working Centers.....	2' 3" to 3' 4¼"	3' 3" to 4' 6¼"	3' 3" to 4' 6¼"	5' 0"	5' 0"	5' 0"
Length of Base (Long Base).....	8' 6"	12' 6¼"	12' 6¼"	14' 0¼"	14' 0¼"	14' 0¼"
Width of Base, 0. to 0. of Sills.....	15¼"	23"	23¼"	23¼"	23¼"	23¼"
Width of Base at Samson Post.....	2' 6"	2' 11"	3' 0"	3' 7¼"	3' 7¼"	3' 7¼"
Height, Bottom of Base to Top of Beam.....	6' 0"	7' 5"	7' 7"	9' 1"	9' 1"	9' 1"
Depth of Base Beams.....	6"	6"	8"	8"	8"	8"
Counterbalance Swing—Below Bottom of Base.....	.....	***11¼"	***7½"	***14"	28"	7"
Pitman Equalizer—Under-hung or Top-mounted.....	Top-mounted	Top-mounted	Top-mounted	Top-mounted	Top-mounted	Top-mounted

### \*\*STANDARD EQUIPMENT

#### ALL PUMPER INCLUDE:

- Reducer
- Sub-Base (where indicated)
- Long Steel Base under Samson Post, Reducer and Prime Mover
- Roller Bearing Center Irons
- Pitmans
- Pitman Equalizer with Roller Bearings
- Mule Head
- Wire Line Hanger with Working Cable, Yoke and Grip
- Wrist Pins with Roller Bearings
- Provision for Lubricating all Beam Bearings from Central Point at Top of Samson Post

#### EACH PUMPER ALSO INCLUDES:

- DT-61
  - Plain Cranks
  - Pinion Pulley
  - Extended Walking Beam for Beam Counterweights
  - Adjusting Bolts for Beam Counterweights
- DT-81 and DT-82
  - Type L Cranks
  - Combination Pinion and Brake Pulley Brake with Operating Mechanism, Reach Rod and Hand Lever
  - Extended Walking Beam for Beam Counterweights
  - Adjusting Bolts for Beam Counterweights
  - Four Legged Samson Post

#### DT-1013

- Type L Cranks
- Combination Pinion and Brake Pulley Brake with Operating Mechanism, Reach Rod and Hand Lever
- Extended Walking Beam Counterweights
- Adjusting Bolts for Beam Counterweights
- Four Legged Samson Post
- Samson Post Ladder with Safety Ring

#### DT-1014 and DT-1015

- Wheel Type Segmental Cranks
- Combination Pinion and Brake Pulley Brake with Operating Mechanism, Reach Rod and Hand Lever
- Four Legged Samson Post
- Samson Post Ladder with Safety Ring
- Walking Beam

### ADDITIONAL OR SELECTIVE EQUIPMENT

- Anchovy Bolts
- Prime Mover Rails
- Prime Mover Pulley
- V-Belts
- Master Weight—Type L

- Outer Weight—Type L
- Beam Counterweights
- Crank Counterweights
- Weight Slabs
- Weight Slab Bolts

- Wrenches
- Belt Guard
- Brake with Operating Mechanism (Brake Additional on DT-61 only)

\* The Series designation indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

\*\* Including Master and Outer Weights. Crank swing, without weights, above or below bottom of base: For DT-81, 2¼" below; for DT-82, 1¼" above; for DT-1013, 6¼" below.

NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.

NOTE: All prices shown on this page are subject to discount.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO DESIGN "C" PUMPERS REDUCERS 96 AND 125

PUMPER NUMBER.....	DT-1017	ST-1018	DT-1019	ST-1020	DT-1238	ST-1239	DT-1240	ST-1241
Pumper Reducer Number.....	96	125	96	125	96	125	96	125
Pumper Structure Number.....	T3A-H10C	T3A-H10AC	T3A-10FC	T3A-H10FC	T3A-H12C	T3A-H12AC	T3A-H12FC	T3A-H12FC
Weight, Pounds—Standard Equipment**	6,663	6,733	7,335	7,155	7,252	7,321	7,911	7,736
List Price—Standard Equipment.....	\$2,983.00	\$2,983.00	\$3,123.00	\$3,123.00	\$3,113.00	\$3,113.00	\$3,253.00	\$3,253.00

### SPECIFICATIONS

SERIES.....	10,000	10,000	10,000	10,000	12,000	12,000	12,000	12,000
Nominal H.P. @ 20 S.P.M. (A.P.I.).....	19.3	25.0	19.3	25.0	19.3	25.0	19.3	25.0
Peak Torque @ 20 S.P.M.—Inch Pounds.....	96,100	125,000	96,100	125,000	96,100	125,000	96,100	125,000
Single or Double Reduction.....	Double	Single	Double	Single	Double	Single	Double	Single
Sub-Base Under Reducer.....	None	None	No. 8443	No. 8409	None	None	No. 8443	No. 8409
Overall Gear Ratio.....	30.9	10	30.9	10	30.9	10	30.9	10
Crank Shaft Diameter at Bearings.....	5"	5"	5"	5"	5"	5"	5"	5"
Oil Capacity Gear Case, Gallons.....	6½	6	6½	6	6½	6	6½	6
Crank Number.....	PW-1	PW-1	PW-1	PW-1	PW-1	PW-1	PW-1	PW-1
Crank Counterweight Number.....	WH-1	WH-1	WH-1	WH-1	WH-1	WH-1	WH-1	WH-1
Length of Stroke—Inches.....	24-33-42	24-33-42	24-33-42	24-33-42	24-33-42	24-33-42	24-33-42	24-33-42
V-Belt Sheave—Standard.....	23½" x 4C	22½" x 7C	23½" x 4C	22½" x 7C	23½" x 4C	22½" x 7C	23½" x 4C	22½" x 7C
V-Belt Sheave—Maximum Diameter.....	30"	22½"	30"	22½"	30"	22½"	30"	22½"
*Walking Beam Rating (A.P.I.), Pounds.....	10,250	10,250	10,250	10,250	12,400	12,400	12,400	12,400
Walking Beam Size.....	14" @ 42 lb.	14" @ 42 lb.	14" @ 42 lb.	14" @ 42 lb.	18" @ 50 lb.	18" @ 50 lb.	18" @ 50 lb.	18" @ 50 lb.
Well End Working Centers.....	5' 0"	5' 0"	5' 0"	5' 0"	6' 0"	6' 0"	6' 0"	6' 0"
Pitman End Working Centers.....	5' 0"	5' 0"	5' 0"	5' 0"	6' 0"	6' 0"	6' 0"	6' 0"
Length of Base, (Long Base).....	14' 0¼"	14' 0¼"	14' 0¼"	14' 0¼"	15' 7½"	15' 7½"	15' 7½"	15' 7½"
Width of Base, 0. to 0. of Sills.....	23¾"	23¾"	23¾"	23¾"	23¾"	23¾"	23¾"	23¾"
Width of Base at Samson Post.....	3' 7¼"	3' 7¼"	3' 7¼"	3' 7¼"	4' 4¼"	4' 4¼"	4' 4¼"	4' 4¼"
Height, Bottom of Base to Top of Beam.....	9' 1"	9' 1"	9' 1"	9' 1"	10' 3"	10' 3"	10' 3"	10' 3"
Depth of Base Beams.....	8"	8"	8"	8"	8"	8"	8"	8"
Counterbalance Swing—Below Bottom of Base.....	23¾"	19½"	7"	7"	23¾"	19½"	7"	7"

### \*\*STANDARD EQUIPMENT

#### ALL PUMPERS INCLUDE:

Reducer  
Sub-Base (where indicated)  
Wheel Type Segmental Cranks  
Combination Pinion and Brake Pulley  
Brake with Operating Mechanism,  
Reach Rod and Hand Lever  
Long Steel Base under Samson Post,  
Reducer and Prime Mover  
Four-Legged Samson Post  
Samson Post Ladder with Safety Ring

Roller Bearing Center Irons  
Walking Beam  
Mule Head  
Wire Line Hanger with Working  
Cable, Yoke and Grip  
Pitmans  
Pitman Equalizer with Roller  
Bearings  
Wrist Pins with Roller Bearings  
Provision for Lubricating all Beam  
Bearings from Central Point at Top  
of Samson Post

### ADDITIONAL OR SELECTIVE EQUIPMENT

Anchor Bolts  
Prime Mover Rails  
Prime Mover Pulley

V-Belts  
Crank Counterweights  
Weight Slabs

Weight Slab Bolts  
Wrenches

\* The series designation indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.  
NOTE: All prices shown on this page are subject to discount.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO DESIGN "A" PUMPERS

### REDUCERS 129 AND 147

PUMPER NUMBER.....	DT-1227	DT-1228	ST-1229	DT-1230	DT-1231	ST-1232	DT-1233	DT-1234	ST-1235
Pumper Reducer Number.....	129	129	147	129	129	147	129	129	147
Pumper Structure Number.....	T4A-H14	T4A-H14F	T4-H14A	T4A-M16	T4A-M16F	T4-M16A	T4A-M20	T4A-M20F	T4-M20A
Weight, Pounds—Standard Equipment**.....	10,182	10,832	11,582	10,425	11,075	11,825	11,125	11,775	12,525
List Price—Standard Equipment.....	\$3,776.00	\$3,926.00	\$3,776.00	\$3,815.00	\$3,965.00	\$3,815.00	\$4,115.00	\$4,265.00	\$4,115.00

### SPECIFICATIONS

SERIES.....	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Nominal H. P. @ 20 S. P. M. (A.P.I.).....	26.0	26.0	29.4	26.0	26.0	29.4	26.0	26.0	29.4
Peak Torque @ 20 S. P. M.—Inch Pounds.....	130,000	130,000	147,000	130,000	130,000	147,000	130,000	130,000	147,000
Single or Double Reduction.....	Double	Double	Single	Double	Double	Single	Double	Double	Single
Sub-Base Under Reducer.....	None	No. 8381	None	None	No. 8381	None	None	No. 8381	None
Overall Gear Ratio.....	30.3	30.3	9.8	30.3	30.3	9.8	30.3	30.3	9.8
Crank Shaft Diameter at Bearings.....	5½"	5½"	5½"	5½"	5½"	5½"	5½"	5½"	5½"
Oil Capacity Gear Case, Gallons.....	7½	7½	7½	7½	7½	7½	7½	7½	7½
Crank Number.....	PW-1	PW-1	PW-1	PW-1	PW-1	W-1	PW-1	PW-1	W-1
Crank Counterweight Number.....	WH-1	WH-1	WH-1	WH-1	WH-1	W-1	WH-1	WH-1	W-1
Length of Stroke, Inches.....	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54
V-Belt Sheave—Standard.....	23½"x4C	23½"x4C	30½"x5D	23½"x4C	23½"x4C	30½"x5D	23½"x4C	23½"x4C	30½"x5D
V-Belt Sheave—Maximum Diameter.....	32"	32"	31"	32"	32"	31"	32"	32"	31"
*Walking Beam Rating (A.P.I.), Pounds.....	13,000	13,000	13,000	11,900	11,900	11,900	11,300	11,300	11,300
Walking Beam Size.....	18" @ 64 lb.	18" @ 64 lb.	18" @ 64 lb.	18" @ 70 lb.	18" @ 70 lb.	18" @ 70 lb.	21" @ 82 lb.	21" @ 82 lb.	21" @ 82 lb.
Well End Working Centers.....	7' 0"	7' 0"	7' 0"	8' 0"	8' 0"	8' 0"	10' 0"	10' 0"	10' 0"
Pitman End Working Centers.....	7' 0"	7' 0"	7' 0"	8' 0"	8' 0"	8' 0"	10' 0"	10' 0"	10' 0"
Length of Base Less Prime Mover Extension.....	12' 0"	12' 0"	12' 0"	13' 9"	13' 9"	13' 9"	15' 9"	15' 9"	15' 9"
Width of Base, 0. to 0. of Sills.....	31½"	31½"	31½"	31½"	31½"	31½"	31½"	31½"	31½"
Width of Base at Samson Post.....	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"
Height, Bottom of Base to Top of Beam.....	11' 3"	11' 3"	11' 3"	14' 7"	14' 7"	14' 7"	14' 7"	14' 7"	14' 7"
Depth of Base Beams.....	12"	12"	12"	14"	14"	14"	14"	14"	14"
Counterbalance Swing—Below Bottom of Base.....	18"	2"	2"	16"	.....	.....	16"	.....	.....
Pitman Equalizer—Under-hung or Top-Mounted.....	Top-mounted	Top-mounted	Top-mounted	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung

### \*\*STANDARD EQUIPMENT

#### ALL PUMPERS INCLUDE:

Reducer  
Sub-Base (where indicated)  
Wheel Type Cranks  
Combination Pinion and Brake Pulley  
Brake with Operating Mechanism,  
Reach Rod and Hand Lever  
Short Steel Base  
Four-legged Samson Post  
Samson Post Ladder with Safety Ring

Roller Bearing Center Irons  
Walking Beam  
Mule Head  
Wire Line Hanger with Working  
Cable, Yoke and Grip  
Pitmans  
Pitman Equalizer with Roller Bearings  
Wrist Pins with Roller Bearings  
Provision for Lubricating all Beam  
Bearings from Central Point at Top  
of Samson Post

### ADDITIONAL OR SELECTIVE EQUIPMENT

Anchor Bolts  
Base Extension  
Prime Mover Rails

Prime Mover Pulley  
V-Belts  
Crank Counterweights  
Weight Slabs

Weight Slab Bolts  
Wrenches  
Engine Outrigger

\* The series designation indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.

NOTE: All prices shown on this page are subject to discount.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO DESIGN "A" PUMPERS REDUCERS 129 AND 147

PUMPER NUMBER .....	DT-1711	DT-1712	ST-1713	DT-2013	DT-2014	ST-2015
Pumper Reducer Number .....	129	129	147	129	129	147
Pumper Structure Number .....	T4A-H16	T4A-H16F	T4-H16A	T4A-H20	T4A-H20F	T4-H20A
Weight, Pounds—Standard Equipment** .....	10,625	11,275	12,025	12,050	12,700	13,450
List Price—Standard Equipment .....	\$3,926.00	\$4,076.00	\$3,926.00	\$4,161.00	\$4,311.00	\$4,161.00

### SPECIFICATIONS.

SERIES .....	17,000	17,000	17,000	20,000	20,000	20,000
Nominal H.P. @ 20 S.P.M. (A.P.I.) .....	26.0	26.0	29.4	26.0	26.0	29.4
Peak Torque @ 20 S.P.M.—Inch Pounds .....	130,000	130,000	147,000	130,000	130,000	147,000
Single or Double Reduction .....	Double	Double	Single	Double	Double	Single
Sub-Base Under Reducer .....	None	No. 8381	None	None	No. 8381	None
Overall Gear Ratio .....	30.3	30.3	9.8	30.3	30.3	9.8
Crank Shaft Diameter at Bearings .....	5½"	5½"	5½"	5½"	5½"	5½"
Oil Capacity Gear Case, Gallons .....	7½	7½	7½	7½	7½	7½
Crank Number .....	PW-1	PW-1	W-1	PW-1	PW-1	W-1
Crank Counterweight Number .....	WH-1	WH-1	W-1	WH-1	WH-1	W-1
Length of Stroke—Inches .....	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54	24-34-44-54
V-Belt Sheave—Standard .....	23½"x4C	23½"x4C	30½"x5D	23½"x4C	23½"x4C	30½"x5D
V-Belt Sheave—Maximum Diameter .....	32"	32"	31"	32"	32"	31"
*Walking Beam Rating (A.P.I.) Pounds .....	15,750	15,750	15,750	19,100	19,100	19,100
Walking Beam Size .....	21" @ 82 lb.	21" @ 82 lb.	21" @ 82 lb.	24" @ 100 lb.	24" @ 100 lb.	24" @ 100 lb.
Well End Working Centers .....	8' 0"	8' 0"	8' 0"	10' 0"	10' 0"	10' 0"
Pitman End Working Centers .....	8' 0"	8' 0"	8' 0"	10' 0"	10' 0"	10' 0"
Length of Base, Less Prime Mover Extension .....	13' 9"	13' 9"	13' 9"	15' 9"	15' 9"	15' 9"
Width of Base, O. to O. of Sills .....	31¾"	31¾"	31¾"	31¾"	31¾"	31¾"
Width of Base at Samson Post .....	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"
Height, Bottom of Base to Top of Beam .....	14' 11¼"	14' 11¼"	14' 11¼"	15' 2"	15' 2"	15' 2"
Depth of Base Beam .....	14"	14"	14"	14"	14"	14"
Counterbalance Swing—Below Bottom of Base .....	16"	.....	.....	16"	.....	.....
Pitman Equalizer—Under-hung or Top-Mounted .....	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung

### \*\*STANDARD EQUIPMENT

#### ALL PUMPERS INCLUDE:

- Reducer
- Sub-Base (where indicated)
- Wheel Type Cranks
- Combination Pinion and Brake Pulley
- Brake with Operating Mechanism, Reach Rod and Hand Lever
- Short Steel Base
- Four-legged Samson Post
- Samson Post Ladder with Safety Ring

- Roller Bearing Center Irons
- Walking Beam
- Mule Head
- Wire Line Hanger with Working Cable, Yoke and Grip
- Pitmans
- Pitman Equalizer with Roller Bearings
- Wrist Pins with Roller Bearings
- Provision for Lubricating all Beam Bearings from Central Point at Top of Samson Post

### ADDITIONAL OR SELECTIVE EQUIPMENT

- |                   |                      |                   |
|-------------------|----------------------|-------------------|
| Anchor Bolts      | Prime Mover Pulley   | Weight Slab Bolts |
| Base Extension    | V-Belts              | Wrenches          |
| Prime Mover Rails | Crank Counterweights | Engine Outrigger  |
|                   | Weight Slabs         |                   |

\* The series designation indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO DESIGN "A" PUMPERS REDUCERS 155 AND 221

PUMPER NUMBER.....	DT-123	ST-1236	DT-127	ST-1237	DT-172	ST-1714	DT-202	ST-2016
Pumper Reducer Number.....	155	221	155	221	155	221	155	221
Pumper Structure Number.....	T4-M16	T4-M16	T4-M20	T4-M20	T4-H16	T4-H16	T4-H20	T4-H20
Weight, Pounds—Standard Equipment**.....	11,875	12,975	12,575	13,675	12,075	13,175	13,500	14,600
List Price—Standard Equipment.....	\$4,545.00	\$4,383.00	\$4,845.00	\$4,683.00	\$4,656.00	\$4,494.00	\$4,891.00	\$4,729.00

### SPECIFICATIONS

SERIES.....	12,000	12,000	12,000	12,000	17,000	17,000	20,000	20,000
Nominal H.P. @ 20 S.P.M. (A.P.I.).....	31.7	44.0	31.7	44.0	31.7	44.0	31.7	44.0
Peak Torque @ 20 S.P.M.—Inch Pounds.....	157,000	220,000	157,000	220,000	157,000	220,000	157,000	220,000
Single or Double Reduction.....	Double	Single	Double	Single	Double	Single	Double	Single
Overall Gear Ratio.....	30.3	9.8	30.3	9.8	30.3	9.8	30.3	9.8
Crank Shaft Diameter at Bearings.....	6"	6"	6"	6"	6"	6"	6"	6"
Oil Capacity Gear Case, Gallons.....	5	10	5	10	5	10	5	10
Crank Number.....	W-2	W-2	W-2	W-2	W-2	W-2	W-2	W-2
Crank Counterweight Number.....	W-2	W-2	W-2	W-2	W-2	W-2	W-2	W-2
Length of Stroke—Inches.....	34-44-54-64	34-44-54-64	34-44-54-64	34-44-54-64	34-44-54-64	34-44-54-64	34-44-54-64	34-44-54-64
V-Belt Sheave—Standard.....	23½" x 5C	30½" x 6D	23½" x 5C	30½" x 6D	23½" x 5C	30½" x 6D	23½" x 5C	30½" x 6D
V-Belt Sheave—Maximum Diameter.....	37"	31"	37"	31"	37"	31"	37"	31"
*Walking Beam Rating (A.P.I.), Pounds.....	11,900	11,900	11,300	11,300	15,750	15,750	19,100	19,100
Walking Beam Size.....	18" @ 70 lb.	18" @ 70 lb.	21" @ 82 lb.	21" @ 82 lb.	21" @ 82 lb.	21" @ 82 lb.	24" @ 100 lb.	24" @ 100 lb.
Well End Working Centers.....	8' 0"	8' 0"	10' 0"	10' 0"	8' 0"	8' 0"	10' 0"	10' 0"
Pitman End Working Centers.....	8' 0"	8' 0"	10' 0"	10' 0"	8' 0"	8' 0"	10' 0"	10' 0"
Length of Base, less Prime Mover Extension.....	13' 9"	13' 9"	15' 9"	15' 9"	13' 9"	13' 9"	15' 9"	15' 9"
Width of Base, 0. to 0. of Sills.....	31¾"	31¾"	31¾"	31¾"	31¾"	31¾"	31¾"	31¾"
Width of Base at Samson Posts.....	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"	5' 0"
Height, Bottom of Base to Top of Beam.....	14' 7"	14' 7"	14' 7"	14' 7"	14' 11½"	14' 11½"	15' 2"	15' 2"
Depth of Base Beams.....	14"	14"	14"	14"	14"	14"	14"	14"
Counterbalance Swing—Below Bottom of Base.....	8"	8"	8"	8"	8"	8"	8"	8"
Pitman Equalizer—Under-hung or Top-mounted.....	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung

### \*\*STANDARD EQUIPMENT

#### ALL PUMPERS INCLUDE:

- Reducer
- Sub-Base (where indicated)
- Wheel Type Cranks
- Combination Pinion and Brake Pulley
- Brake with Operating Mechanism, Reach Rod and Hand Lever
- Short Steel Base
- Four-legged Samson Post
- Samson Post Ladder with Safety Ring

- Roller Bearing Center Irons
- Walking Beam
- Mule Head
- Wire Line Hanger with Working Cable, Yoke and Grip
- Pitmans
- Pitman Equalizer with Roller Bearings
- Wrist Pins with Roller Bearings
- Provision for Lubricating all Beam Bearings from Central Point at Top of Samson Post

### ADDITIONAL OR SELECTIVE EQUIPMENT

- |                   |                      |                   |
|-------------------|----------------------|-------------------|
| Anchor Bolts      | Prime Mover Pulley   | Weight Slab Bolts |
| Base Extension    | V-Belts              | Wrenches          |
| Prime Mover Rails | Crank Counterweights | Engine Outtrigger |
|                   | Weight Slabs         |                   |

\* The series designation indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.

NOTE: All prices shown on this page are subject to discount.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO DESIGN "A" PUMPERS REDUCERS 200 AND 286

PUMPER NUMBER .....	DT-1710	ST-1715	DT-205	ST-2017	DT-206	ST-2018	DT-249	ST-2411	DT-241	ST-2412
Pumper Reducer Number .....	200	286	200	286	200	286	200	286	200	286
Pumper Structure Number .....	T5-L25	T6-M25	T5-H20	T6-M20	T5-M25	T6-HM25	T5-EH20	T6-H20	T5-H25	T6-H25
Weight, Pounds—Standard Equipment** .....	16,350	20,825	15,025	19,425	16,025	20,295	15,425	21,225	16,825	22,675
List Price—Standard Equipment .....	\$5,922.00	\$6,040.00	\$5,704.00	\$5,813.00	\$5,869.00	\$5,505.00	\$5,770.00	\$6,110.00	\$5,997.00	\$5,895.00

### SPECIFICATIONS

SERIES .....	17,000	17,000	20,000	20,000	20,000	20,000	24,000	24,000	24,000	24,000
Nominal H.P. @ 20 S.P.M. (A.P.I.) .....	40.2	57.2	40.2	57.2	40.2	57.2	40.2	57.2	40.2	57.2
Peak Torque @ 20 S.P.M.—Inch Pounds .....	200,000	286,000	200,000	286,000	200,000	286,000	200,000	286,000	200,000	286,000
Single or Double Reduction .....	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single
Overall Gear Ratio .....	32.3	9.6	32.3	9.6	32.3	9.6	32.3	9.6	32.3	9.6
Crank Shaft Diameter at Bearings .....	6½"	6½"	6½"	6½"	6½"	6½"	6½"	6½"	6½"	6½"
Oil Capacity Gear Case, Gallons .....	6½	16	6½	16	6½	16	6½	16	6½	16
Crank Number .....	W-2	W-3	W-2	W-3	W-2	W-3	W-2	W-3	W-2	W-3
Crank Counterweight Number .....	W-2	W-3	W-2	W-3	W-2	W-3	W-2	W-3	W-2	W-3
Length of Stroke, Inches .....	34-44-54-64	44-54-64-74	34-44-54-64	44-54-64-74	34-44-54-64	44-54-64-74	34-44-54-64	44-54-64-74	34-44-54-64	44-54-64-74
V-Belt Sheave—Standard .....	23½" x 6C	35" x 7D	23½" x 6C	35" x 7D	23½" x 6C	35" x 7D	23½" x 6C	35" x 7D	23½" x 6C	35" x 7D
V-Belt Sheave—Maximum Diameter .....	36"	35"	36"	35"	36"	35"	36"	35"	36"	35"
*Walking Beam Rating (A.P.I.), Pounds .....	16,700	16,700	19,100	19,100	19,700	19,700	23,100	23,100	24,100	24,100
Walking Beam Size .....	24" @ 120 lb.	24" @ 120 lb.	24" @ 100 lb.	24" @ 100 lb.	24" @ 130 lb.	24" @ 130 lb.	24" @ 120 lb.	24" @ 120 lb.	27" @ 145 lb.	27" @ 145 lb.
Well End Working Centers .....	12' 6"	12' 6"	10' 0"	10' 0"	12' 6"	12' 6"	10' 0"	10' 0"	12' 6"	12' 6"
Pitman End Working Centers .....	12' 6"	12' 6"	10' 0"	10' 0"	12' 6"	12' 6"	10' 0"	10' 0"	12' 6"	12' 6"
Length of Base, less Prime Mover Extension .....	18' 3"	19' 3"	15' 9"	16' 9"	18' 3"	19' 3"	15' 9"	16' 9"	18' 3"	19' 3"
Width of Base, 0. to 0. of Sills .....	36"	37½"	36"	37½"	36"	37½"	36"	37½"	36"	38"
Width of Base at Samson Post .....	5' 6"	5' 8"	5' 6"	5' 8"	5' 6"	5' 8"	5' 6"	5' 8"	5' 6"	5' 8"
Height, Bottom of Base to Top of Beam .....	15' 4"	17' 7"	15' 4"	17' 7"	15' 4"	17' 7"	15' 4"	17' 11"	15' 4"	17' 11"
Depth of Base Beams .....	16"	16"	16"	16"	16"	16"	16"	16"	16"	18"
Counterbalance Swing—Below Bottom of Base .....	6"	7"	6"	7"	6"	7"	6"	7"	6"	5"
Pitman Equalizer—Under-hung or Top-mounted .....	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung

### \*\*STANDARD EQUIPMENT

#### ALL PUMPERS INCLUDE:

- Reducer
- Sub-Base (where indicated)
- Wheel Type Cranks
- Combination Pinion and Brake Pulley
- Brake with Operating Mechanism, Reach Rod and Hand Lever
- Short Steel Base
- Four-legged Samson Post
- Samson Post Ladder with Safety Ring

- Roller Bearing Center Irons
- Walking Beam
- Mule Head
- Wire Line Hanger with Working Cable, Yoke and Grip
- Pitmans
- Pitman Equalizer with Roller Bearings
- Wrist Pins with Roller Bearings
- Provision for Lubricating all Beam Bearings from Central Point at Top of Samson Post

### ADDITIONAL OR SELECTIVE EQUIPMENT

- |                   |                      |                   |
|-------------------|----------------------|-------------------|
| Anchor Bolts      | Prime Mover Pulley   | Weight Slab Bolts |
| Base Extension    | V-Belts              | Wrenches          |
| Prime Mover Rails | Crank Counterweights | Engine Outrigger  |
|                   | Weight Slabs         |                   |

\* The series designation indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.



# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO DESIGN "A" PUMPERS REDUCERS 306, 340 AND 477

PUMPER NUMBER.....	DT-1716	ST-1717	DT-2019	ST-2020	DT-2413	ST-2414	DT-2415	ST-2416	DT-2417
Pumper Reducer Number.....	306	340	306	340	306	340	306	340	477
Pumper Structure Number.....	T6-M25	T6-M25	T6-M20	T6-M20	T6-H20	T6-H20	T6-H25	T6-H25	T7-H25
Weight, Pounds—Standard Equipment**.....	20,450	21,000	19,050	19,600	20,850	21,400	22,850	22,850	25,450
List Price—Standard Equipment.....	\$6,959.00	\$6,384.00	\$5,732.00	\$6,157.00	\$7,029.00	\$6,454.00	\$7,269.00	\$6,694.00	\$9,890.00

### SPECIFICATIONS

SERIES.....	17,000	17,000	20,000	20,000	24,000	24,000	24,000	24,000	24,000
Nominal H. P. @ 20 S. P. M. (A.P.I.).....	61.0	68.0	61.0	68.0	61.0	68.0	61.0	68.0	95.4
Peak Torque @ 20 S. P. M.—Inch Pounds.....	305,000	340,000	305,000	340,000	305,000	340,000	305,000	340,000	477,000
Single or Double Reduction.....	Double	Single	Double	Single	Double	Single	Double	Single	Double
Overall Gear Ratio.....	31.4	9.6	31.4	9.6	31.4	9.6	31.4	9.6	30.3
Crank Shaft Diameter at Bearings.....	6½"	6½"	6½"	6½"	6½"	6½"	6½"	6½"	7½"
Oil Capacity Gear Case, Gallons.....	12	16	12	16	12	16	12	16	22
Crank Number.....	W-3	W-3	W-3	W-3	W-3	W-3	W-3	W-3	W-3
Crank Counterweight Number.....	W-3	W-3	W-3	W-3	W-3	W-3	W-3	W-3	W-3
Length of Stroke—Inches.....	44-54-64-74	44-54-64-74	44-54-64-74	44-54-64-74	44-54-64-74	44-54-64-74	44-54-64-74	44-54-64-74	44-54-64-74
V-Belt Sheave—Standard.....	23½"x8C	35"x8D	23½"x8C	35"x8D	23½"x8C	35"x8D	23½"x8C	35"x8D	30"x8D
V-Belt Sheave—Maximum Diameter.....	49"	35"	49"	35"	49"	35"	49"	35"	45"
*Walking Beam Rating (A.P.I.), Pounds.....	16,700	16,700	19,100	19,100	23,100	23,100	24,100	24,100	24,100
Walking Beam Size.....	24" @ 120 lb.	24" @ 120 lb.	24" @ 100 lb.	24" @ 100 lb.	24" @ 120 lb.	24" @ 120 lb.	27" @ 145 lb.	27" @ 145 lb.	27" @ 145 lb.
Well End Working Centers.....	12' 6"	12' 6"	10' 0"	10' 0"	10' 0"	10' 0"	12' 6"	12' 6"	12' 6"
Pitman End Working Centers.....	12' 6"	12' 6"	10' 0"	10' 0"	10' 0"	10' 0"	12' 6"	12' 6"	12' 6"
Length of Base, Less Prime Mover Extension.....	19' 3"	19' 3"	16' 9"	16' 9"	16' 9"	16' 9"	19' 3"	19' 3"	20' 0"
Width of Base, 0. to 0. of Sills.....	37½"	37½"	37½"	37½"	38"	38"	38"	38"	38"
Width of Base at Samson Post.....	5' 8"	5' 8"	5' 8"	5' 8"	5' 8"	5' 8"	5' 8"	5' 8"	5' 8"
Height, Bottom of Base to Top of Beam.....	17' 7"	17' 7"	17' 7"	17' 7"	17' 11"	17' 11"	17' 11"	17' 11"	17' 0"
Depth of Base Beams.....	16"	16"	16"	16"	18"	18"	18"	18"	18"
Counterbalance Swing—Below Bottom of Base.....	7"	7"	7"	7"	5"	5"	5"	5"	18"
Pitman Equalizer—Under-hung or Top-Mounted.....	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung	Under-hung

### \*\*STANDARD EQUIPMENT

#### ALL PUMPERS INCLUDE:

- Reducer
- Sub-Base (where indicated)
- Wheel Type Cranks
- Combination Pinion and Brake Pulley
- Brake with Operating Mechanism, Reach Rod and Hand Lever
- Short Steel Base
- Four-legged Samson Post
- Samson Post Ladder with Safety Ring

- Roller Bearing Center Irons
- Walking Beam
- Mule Head
- Wire Line Hanger with Working Cable, Yoke and Grip
- Pitmans
- Pitman Equalizer with Roller Bearings
- Wrist Pins with Roller Bearings
- Provision for Lubricating all Beam Bearings from Central Point at Top of Samson Post

### ADDITIONAL OR SELECTIVE EQUIPMENT

- |                   |                      |                   |
|-------------------|----------------------|-------------------|
| Anchor Bolts      | Prime Mover Pulley   | Weight Slab Bolts |
| Base Extension    | V-Belts              | Wrenches          |
| Prime Mover Rails | Crank Counterweights | Engine Outrigger  |
|                   | Weight Slabs         |                   |

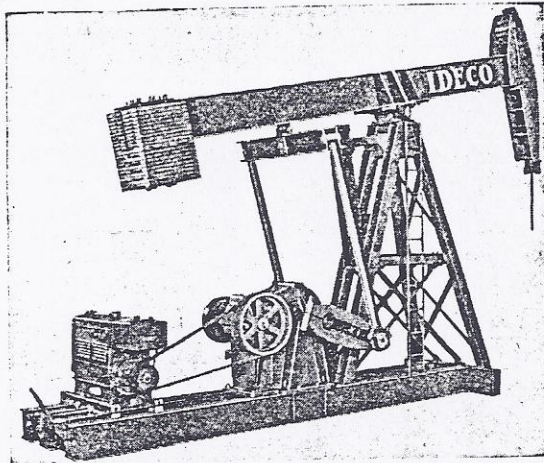
\* The series designation indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO PUMPERS LONG STROKE MACHINES



### \*\*STANDARD EQUIPMENT

- |   |  |
|---|--|
| <p><b>Standard Pumps Include:</b><br/>                 Reducer<br/>                 Plain Cranks<br/>                 Combination Pinion and Brake Pulley<br/>                 Brake with Operating Mechanism, Reach Rod and Hand Lever<br/>                 Short Steel Base<br/>                 Samson Post<br/>                 Roller Bearing Center Irons</p> | <p>Extended Walking Beam for Beam Weights<br/>                 Mule Head<br/>                 Wire Line Hanger with Working Cable, Yoke and Grip<br/>                 Pitmans<br/>                 Pitman Equalizer with Roller Bearings<br/>                 Wrist Pin with Roller Bearings</p> |
|---|--|

Pumper Number.....	DTL-1718	DTL-2418
Pumper Reducer Number.....	306	477
Pumper Structure Number.....	T6-L	T7-L
Weight, Pounds—Standard Equipment**.....	32,338	35,503
List Price.....	\$7,839.00	\$9,570.00

### SPECIFICATIONS

Pumper Number.....	DTL-1718	DTL-2418
Peak Torque @ 12 S.P.M.—In. Lbs..	321,000	497,000
Single or Double Reduction.....	Double	Double
Overall Gear Ratio.....	31.4	30.3
Crankshaft Diameter at Bearing....	6½"	7½"
Oil Capacity Gear Case—Gallons....	12	22
Length of Stroke—Inches.....	56-73-90-107-124	56-73-90-107-124
V-Belt Sheave—Standard.....	30"	30"
V-Belt Sheave—Maximum Diameter..	49"	49"
*Walking Beam Rating (A.P.I.), Lbs..	17,000	24,000
Walking Beam Size.....	24" @ 120 lbs.	27" @ 145 lbs.
Well End Working Centers.....	12' 6"	12' 6"
Pitman End Working Centers.....	7' 10"	7' 10"
Length of Steel Base, less Prime Mover Extension.....	17' 0"	17' 0"
Width of Steel Base, O. to O. of Sills..	3' 3½"	3' 3½"
Height, Bottom of Base to Top of Beam.....	18' 5¼"	18' 10¼"
Depth of Base Beams.....	18"	18"

### ADDITIONAL EQUIPMENT

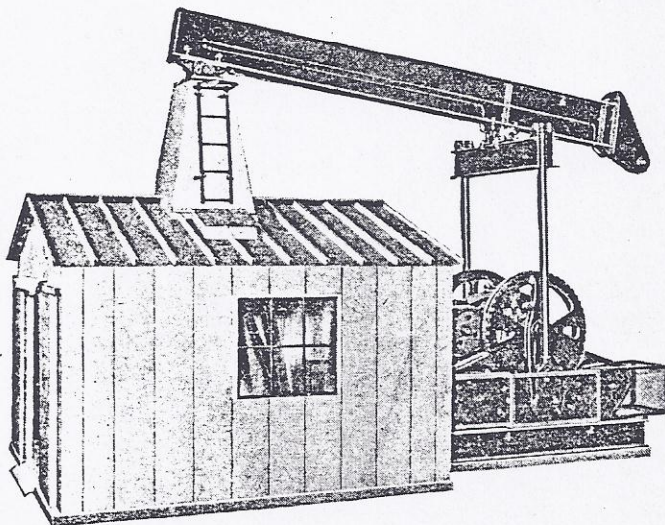
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| <p>Anchor Bolts<br/>                 Base Extension<br/>                 Prime Mover Pulley<br/>                 V-Belts</p> | <p>Beam Counterweights<br/>                 Wrenches<br/>                 Engine Outtrigger</p> |
|--|---|

\* Indicates approximately the A.P.I. capacity of the pumper structure. Where the walking beam capacity is less than the series designation, the pumper structure capacity is limited accordingly.

NOTE: Items listed under "Additional Equipment" not included in standard machines.

NOTE: All prices shown on this page are subject to discount.

## JAK-NIFE PUMPER



### \*\*STANDARD EQUIPMENT

- |   |   |
|---|---|
| <p><b>Standard Pumper Includes:</b><br/>                 Reducer<br/>                 Wheel Type Cranks<br/>                 Combination Pinion and Brake Pulley<br/>                 Brake with Operating Mechanism, Reach Rod and Hand Lever<br/>                 Long Steel Base<br/>                 Four-legged Samson Post<br/>                 Samson Post Ladder and Safety Ring<br/>                 Roller Bearing Center</p> | <p>Walking Beam<br/>                 Mule Head<br/>                 Wire Line Hanger with Working Cable, Yoke and Grip<br/>                 Pitmans<br/>                 Pitman Equalizer with Roller Bearings<br/>                 Wrist Pins with Roller Bearings<br/>                 Provision for Lubricating all Beam Bearings from Central Point at Top of</p> |
|---|---|

PUMPER NUMBER .....	DTJ-2410
Pumper Reducer Number.....	3Cr5
Pumper Structure Number.....	TJ6-HZ1
Weight, Pounds—Standard Equipment**.....	24,300
List Price—Standard Equipment.....	\$7,600.00

### SPECIFICATIONS

Nominal H.P. @ 20 S.P.M. (A.P.I.).....	61
Peak Torque @ 20 S.P.M.—Inch Lbs.....	305,000
Overall Gear Ratio.....	31.4
Crank Shaft Diameter at Bearings.....	6½"
Oil Capacity Gear Case, Gallons.....	12
Crank Number .....	W-3
Crank Counterweight Number.....	W-3
Length of Stroke, Inches.....	43-58-74
V-Belt Sheave—Standard .....	23½" x 8"
V-Belt Sheave—Maximum Diameter.....	49"
*Walking Beam Rating (A.P.I.), Lbs.....	24,700
Walking Beam Size.....	24" @ 100 Lb.
Working Centers, Samson Post to Well.....	21' 4"
Working Centers, Pitmans to Well.....	7' 6"
Length of Base (Long Base).....	22' 0"
Width of Base, O. to O. of Sills.....	8' 0"
Height, Bottom of Base to Top of Beam.....	18' 0"
Depth of Base Beams.....	14"
Counterbalance Swing—Below Bottom of Base.....	9"
Pitman Equalizer— Under-hung or Top-mounted.....	Under-hung

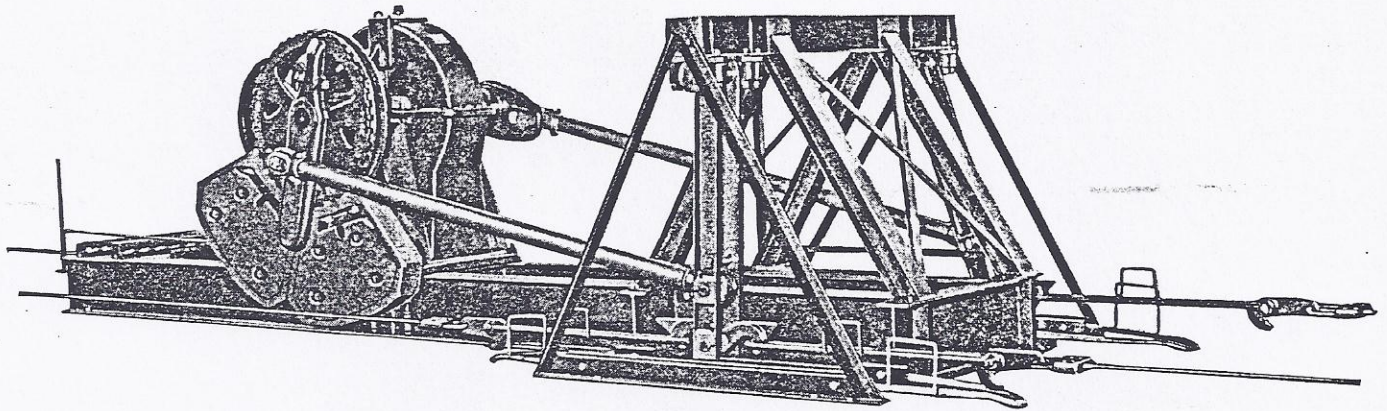
### ADDITIONAL OR SELECTIVE EQUIPMENT

- |  |  |
|--|--|
| <p>Anchor Bolts<br/>                 Prime Mover Pulley<br/>                 V-Belts</p> | <p>Crank Counterweights<br/>                 Weight Slabs<br/>                 Weight Slab Bolts</p> |
|--|--|

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO PENDULUM PUMPER



PUMPER NUMBER.....	62-P2	96-P3A	125-P3A	129-P4A	147-P4A	155-P4B	221-P4B	200-P5	286-P6	306-P6	340-P6
Pumper Reducer Number.....	62	96	125	129	147	155	221	200	286	306	340
Pumper Structure Number.....	P2	P3A	P3A	P4A	P4A	P4B	P4B	P5	P6	P6	P6
Weight, Pounds—Standard Equipment**	7,515	8,880	9,180	10,980	11,510	12,340	12,960	13,255	17,715	17,955	18,920
List Price—Standard Equipment.....	\$3,529.00	\$4,129.00	\$4,146.00	\$4,472.00	\$4,665.00	\$5,085.00	\$5,335.00	\$5,680.00	\$6,321.00	\$7,247.00	\$6,672.00

### SPECIFICATIONS

*Pendulum Capacity, Pounds.....	2,600	4,000	5,200	5,400	6,100	6,550	9,200	8,350	11,900	12,700	14,200
Nominal H.P. @ 20 S.P.M. (A.P.I.).....	12.5	19.3	25.0	26.0	29.4	31.7	44.0	40.2	57.2	61.0	68.0
Peak Torque @ 20 S.P.M.—Inch Pounds.....	62,200	96,100	125,000	130,000	147,000	157,000	220,000	200,000	286,000	305,000	340,000
Single or Double Reduction.....	Double	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single
Sub-Base Under Reducer.....	No. 8442	No. 8443	No. 8409	No. 8381	None	None	None	None	None	None	None
Overall Gear Ratio.....	30.9	30.9	10	30.3	9.8	30.3	9.8	32.3	9.6	31.4	9.6
Crank Shaft Diameter at Bearings.....	4½"	5"	5"	5½"	5½"	6"	6"	6½"	6½"	6½"	6½"
Oil Capacity Gear Case—Gallons.....	5½	6½	6	7½	7½	5	10	6½	16	12	16
Crank Number—Front Side.....	W-1	W-1	W-1	W-1	W-1	W-2	W-2	W-2	W-3	W-3	W-3
Crank Number—Back Side.....	8480	8480	8480	8480	8480	9626B	9626B	9626B	9626B	9626B	9626B
Crank Counterweight Number.....	W-1	W-1	W-1	W-1	W-1	W-2	W-2	W-2	W-3	W-3	W-3
Radii of Pendulum Swing.....	4' 0"	4' 6"	4' 6"	4' 6"	4' 6"	4' 6"	4' 6"	4' 6"	5' 0"	5' 0"	5' 0"
Rod Line Throw—Inches.....	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42	26-30-36-42
Reducer V-Belt Sheave.....	19"x3C	23½"x4C	22½"x7C	23½"x4C	30½"x5D	23½"x5C	30½"x6D	25½"x6C	35"x7D	23½"x8C	35"x8D
Pull Rod Centers.....	4' 5½"	4' 10"	4' 10"	5' 5½"	5' 5"	5' 11½"	5' 11½"	6' 4½"	6' 10"	6' 10"	6' 10"
Length of Pitman—Working Centers.....	9' 5"	10' 5"	10' 5"	10' 2"	10' 2"	11' 5"	11' 5"	11' 5"	12' 6"	12' 6"	12' 4½"
Length of Base, Less Prime Mover Extension	14' 0"	15' 6"	15' 6"	16' 0"	16' 0"	17' 0"	17' 0"	17' 0"	19' 0"	19' 0"	19' 0"
Length of Base, with Prime Mover Extension	19' 3"	20' 3"	22' 6"	21' 3"	23' 6"	23' 6"	24' 10"	23' 10"	28' 9"	26' 9"	27' 5½"
Width Overall.....	6' 3"	6' 9½"	6' 9½"	7' 4½"	7' 4½"	7' 10½"	7' 10½"	8' 3½"	9' 0"	9' 0"	9' 0"
Height Overall.....	5' 3½"	5' 7"	5' 7"	6' 0"	6' 1"	6' 0"	6' 2½"	6' 0"	7' 3"	7' 5"	7' 5"
Depth of Base Beams.....	8"	12"	12"	12"	12"	14"	14"	14"	16"	16"	16"
Counterbalance Swing—Below Bottom of Base	8"	3"	3"	2"	2"	8"	8"	8"	7"	7"	7"
Ded'tion for Sub-Base under Reducer, Wt., Lbs.		720	450	760							

### \*\*STANDARD EQUIPMENT

#### ALL PUMPER INCLUDE:

- Reducer
- Sub-Base (where indicated)
- One Wheel Type Crank
- One Back Crank
- Combination Pinion and Brake Pulley
- Brake with Operating Mechanism,
- Reach Rod and Hand Lever

- Short Steel Base
- Structural Frame for Supporting
- Pendulums
- Two Pendulum Assemblies with
- Hanger Bearings
- Two Two-way Hooks with Bronze
- Bearings
- Two Pitmans

- Two Bronze Bushed Pitman Pendu-
- lum Bearings
- Two Wrist Pins with Roller Bearings
- Four Bail-type Knock-off Assemblies
- consisting of one Knock-off Loop
- with Pins and one Pull Rod Loop
- with Hook and necessary Anchoring
- Material

### ADDITIONAL OR SELECTIVE EQUIPMENT

- Anchor Bolts
- Base Extension
- Prime Mover Rails

- Prime Mover Pulley
- V-Belts
- Engine Outtrigger
- Crank Counterweights

- Weight Slabs
- Weight Slab Bolts
- Wrenches

\* The pendulum capacity is the unbalanced load which can be transmitted to each pendulum by the rod lines when the rod line stroke is 24".  
 NOTE: Items listed under "Additional or Selective Equipment" not included in Standard Machines.  
 NOTE: All prices shown on this page are subject to discount.

# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## IDECO PUMPER SUBSTRUCTURES

Pumper substructures for Ideco Pumpers No. DT-81, DT-82, DT-1013, DT-1014, and DT-1015; National TU140G-JD14T, TU234G-JD23TP and TU234-JD23TB; OCS Special Polly Machines No. 10D3, 10D3A, and 10D4; Bethlehem 51-DT10 and Atlas 907-A.

Prices for substructures for supporting pumbers other than these will be furnished upon application.

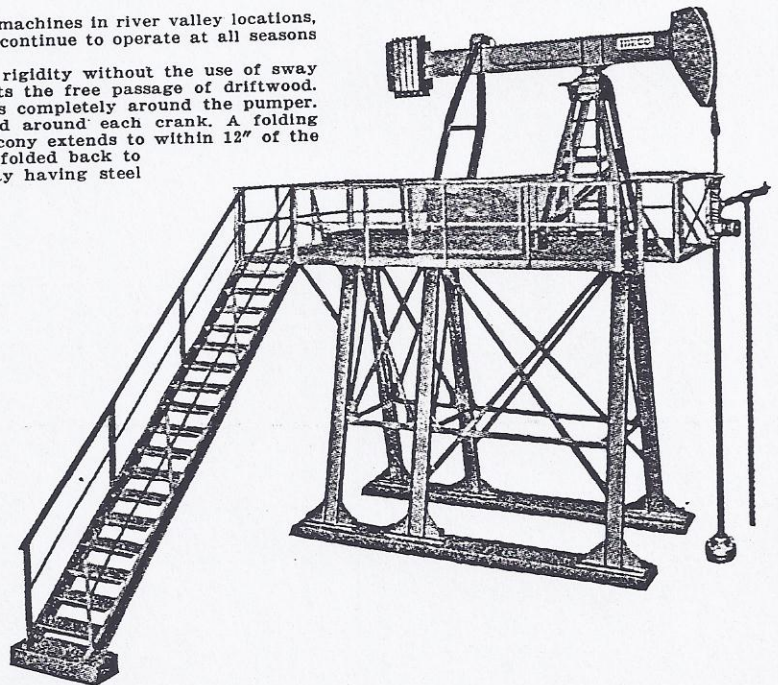
Catalog Number	Height, Feet	DESCRIPTION	Weight, Pounds		List Price—Zone 2	
			Painted	Galv.	Painted	Galv.
TPS-4	4	PUMPER SUBSTRUCTURE, including Two A-Frame Bents, Anchor Bolts, Floor Sills, Hand Rail, Guard Rails around Cranks, Folding Balcony with Hand Rail for well end of Substructure, less Floor Plates, Stairs and Ladder.  Note: When ordering, make and catalog number of pumper with which substructure is to be used must always be furnished.	4,430	4,565	\$461.90	\$528.35
TPS-6	6		4,615	4,755	478.05	547.30
TPS-8	8		4,860	5,005	499.40	572.30
TPS-10	10		5,250	5,410	533.40	612.15
TPS-12	12		5,575	5,745	561.75	645.40
TPS-14	14		5,635	5,805	567.00	651.55
TPS-16	16		5,990	6,170	597.95	687.80
TPS-18	18		6,495	6,690	642.00	739.45
TPS-20	20		6,770	6,975	665.95	767.50
TPS-22	22		7,240	7,460	706.95	815.55
TPS-24	24		7,610	7,840	739.20	853.35
TPS-26	26		7,955	8,195	769.30	888.65

### ADD FOR IDECO BURRED PLATE FLOORING FOR ANY OF ABOVE SUBSTRUCTURES

	745	770	\$100.50	\$115.00
12 Ga. Burred Plate Flooring.....	915	.....	122.70	.....
10 Ga. Burred Plate Flooring (Galvanized before Painting).....				

Ideco Pumper Substructures are designed to support pumping machines in river valley locations, and to elevate them above high water levels, so that they may continue to operate at all seasons of the year.

The uprights are extra heavy, being designed to give ample rigidity without the use of sway braces at the bottom. The omission of the sway braces permits the free passage of driftwood. A walkway with burred steel flooring and hand rail extends completely around the pumper. Removable guard rails, covered with wire mesh, are provided around each crank. A folding balcony is furnished for the well-end of the platform. This balcony extends to within 12" of the well center. During servicing operations, this balcony may be folded back to clear the tubing block, and form a hand rail. A steel stairway having steel treads gives easy access to the platform.



### PUMPER SUBSTRUCTURE LADDERS ONE SUBSTRUCTURE LADDER, complete with Attachment Bolts

Catalog Number	Sub-structure, Height, Feet	Weight, Pounds		LIST PRICE	
				Zone 2	
				Painted	Galv.
PSL-4	4	85	90	\$12.35	\$13.70
PSL-6	6	100	105	15.10	16.70
PSL-8	8	140	145	21.95	24.15
PSL-10	10	170	175	26.10	28.75
PSL-12	12	195	205	30.60	33.70
PSL-14	14	210	220	34.30	37.60
PSL-16	16	230	240	38.45	42.05
PSL-18	18	260	280	42.55	46.75
PSL-20	20	290	310	48.05	52.70
PSL-22	22	340	360	55.55	60.95
PSL-24	24	380	400	61.55	67.55
PSL-26	26	420	440	67.55	74.15

Note: Ladder Safety Cage furnished with Ladders for Substructures 8 feet high and over.

### PUMPER SUBSTRUCTURE STAIRS

ONE SUBSTRUCTURE STAIRWAY, 2'0" wide, including Anchor Bolts for footer, Hand Rails and Stair Treads of either Burred Plate or Type "K" Grating. One Intermediate Bent is furnished with each stairway for substructures 18 feet high and over.

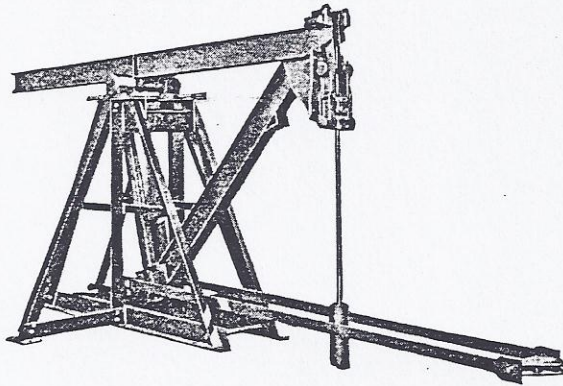
Catalog Number	Type of Treads	Sub. Ht., Feet	Weight, Lbs.		LIST PRICE			Catalog Number	Type of Treads	Sub. Ht., Feet	Weight, Lbs.		LIST PRICE		
					Zone 2								Zone 2		
					Painted	*Painted	Galv.						Painted	*Painted	Galv.
PSS-410	10 Ga. B. P.	4	235		\$29.55	\$	PSS-1610	10 Ga. B. P.	16	890		\$111.65	\$		
PSS-412	12 Ga. B. P.	4	215	225	27.20	31.50	PSS-1612	12 Ga. B. P.	16	825	850	103.20	119.70		
PSS-4K	Type-K	4	245	255	34.20	35.45	PSS-16K	Type-K	16	930	955	128.70	145.20		
PSS-610	10 Ga. B. P.	6	375		47.05	50.90	PSS-1810	10 Ga. B. P.	18	1,095		137.00			
PSS-612	12 Ga. B. P.	6	350	360	43.90	45.85	PSS-1812	12 Ga. B. P.	18	1,020	1,050	127.40	147.80		
PSS-6K	Type-K	6	390	400	53.40	54.85	PSS-18K	Type-K	18	1,135	1,165	156.40	176.80		
PSS-810	10 Ga. B. P.	8	470		58.70	60.40	PSS-2010	10 Ga. B. P.	20	1,220		152.75	164.70		
PSS-812	12 Ga. B. P.	8	435	450	54.40	56.10	PSS-2012	12 Ga. B. P.	20	1,135	1,170	142.00	164.70		
PSS-8K	Type-K	8	490	505	67.40	69.40	PSS-20K	Type-K	20	1,265	1,300	174.50	197.20		
PSS-1010	10 Ga. B. P.	10	565		70.60	76.10	PSS-2210	10 Ga. B. P.	22	1,340		166.95	182.60		
PSS-1012	12 Ga. B. P.	10	525	540	65.60	67.10	PSS-2212	12 Ga. B. P.	22	1,250	1,290	155.60	179.35		
PSS-10K	Type-K	10	585	600	80.60	82.95	PSS-22K	Type-K	22	1,390	1,430	190.10	215.10		
PSS-1210	10 Ga. B. P.	12	690		85.75	91.10	PSS-2410	10 Ga. B. P.	24	1,460		170.05	197.35		
PSS-1212	12 Ga. B. P.	12	640	660	79.65	82.95	PSS-2412	12 Ga. B. P.	24	1,365	1,405	208.05	235.35		
PSS-12K	Type-K	12	715	735	98.15	101.05	PSS-24K	Type-K	24	1,520	1,560	214.05	243.70		
PSS-1410	10 Ga. B. P.	14	785		98.80	105.85	PSS-2610	10 Ga. B. P.	26	1,585		184.00	213.60		
PSS-1412	12 Ga. B. P.	14	730	755	91.55	95.55	PSS-2612	12 Ga. B. P.	26	1,480	1,525	225.50	255.10		
PSS-14K	Type-K	14	820	845	113.55	117.00	PSS-26K	Type-K	26	1,645	1,690	232.05	265.10		

\*Stair Treads are galvanized before painting.  
NOTE: All prices shown on this page are subject to discount.

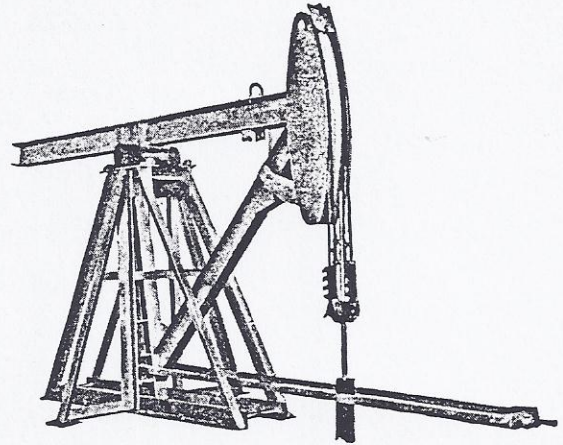
# INTERNATIONAL DERRICK & EQUIPMENT DIVISION, Columbus

INTERNATIONAL-STACEY CORPORATION

## PRODUCTION EQUIPMENT IDECO PUMPING JACKS



*Underpull Jack—Link-Type Head*



*Underpull Jack—Mule Head Type*

### IDECO UNDERPULL PUMPING JACKS—(Less Anchor Bolts)

Catalog Number	Capacity Pounds	Maximum Stroke	DESCRIPTION	Weight, Pounds	LIST PRICES, PAINTED				
					Zone 2	Zone 3	Zone 4	Zone 5	Zone 6

#### JACKS WITH MULE HEAD

M-8	8,000	36"	Jack with Plain Machined Bearings—Complete with Mule Head, One Wire Line, Hanger Yoke, Polished Rod Grip and Bridle Bars.	1,200	\$204.50	\$210.40	\$216.10	\$222.55	\$233.80
M-10	10,000	42"		1,600	249.45	256.40	264.50	270.65	283.30
M-12	12,000	48"		1,950	278.45	285.40	293.50	299.65	312.30
M-16	16,000	58"		2,800	308.75	315.90	325.70	334.85	352.20
M-17	17,000	58"		3,126	337.80	354.15	362.30	369.65	385.00
M-20	20,000	72"		4,500	365.35	394.20	407.25	433.30	446.35

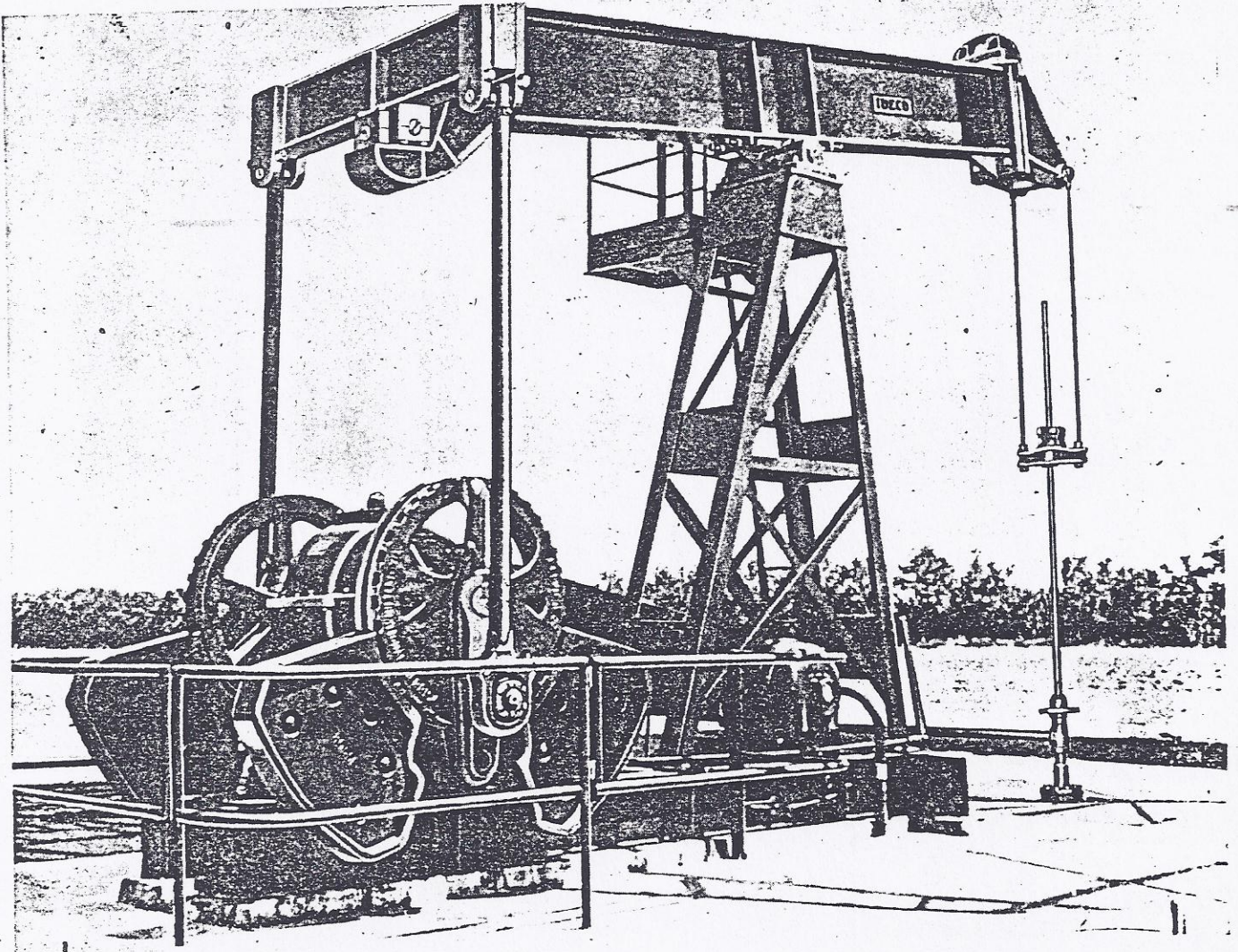
#### JACKS WITH LINK-TYPE HEAD

L-8	8,000	36"	Jack with Plain Machined Bearings—Complete with Link-Type Head, Polished Rod Grip and Bridle Bars.	1,200	204.50	210.40	216.10	222.55	233.80
L-10	10,000	42"		1,600	249.45	256.40	264.50	270.65	283.30
L-12	12,000	48"		1,950	278.45	285.40	293.50	299.65	312.30
L-16	16,000	58"		2,800	308.75	315.90	325.70	334.85	352.20
L-17	17,000	58"		3,067	345.90	361.95	370.10	377.50	392.80
Add for Bronze-bushed Saddle and Bridle Bearings with Oil Seals in place of Plain Machined Bearings (Link Head Bushings not included).....				.....	28.10	28.10	28.10	28.10	28.10
Add for Needle-Type Roller Bearings in Saddle and Bridle Box in place of Plain Machined Bearings (Link Head Bushings not included).....				.....	28.10	28.10	28.10	28.10	28.10
Add for Bronze-bushed Bearings in Link-type Head in place of Plain Machined Bearings (Saddle and Bridle Bushings not included).....				.....	16.20	16.20	16.20	16.20	16.20
Add for Set of Anchor Bolts (Machine Bolt with Washer):									
For 8,000 lb. Capacity Jacks (12— $\frac{3}{8}$ " x 1' 9").....				53	4.80	4.80	4.80	4.80	4.80
For 10,000 lb., 12,000 lb. and 16,000 lb. Capacity Jacks (16—1" x 1' 9").....				92	9.12	9.12	9.12	9.12	9.12
For 17,000 lb. and 20,000 lb. Capacity Jacks (16—1" x 2' 0").....				105	11.32	11.32	11.32	11.32	11.32
Add for Set of Anchor Bolts (Bent-end Bolts):									
For 8,000 lb. Capacity Jacks (12— $\frac{3}{8}$ " x 1' 7").....				47	9.00	9.00	9.00	9.00	9.00
For 10,000 lb., 12,000 lb. and 16,000 lb. Capacity Jacks (16—1" x 1' 7").....				84	20.00	20.00	20.00	20.00	20.00
For 17,000 lb. and 20,000 lb. Capacity Jacks (16—1" x 1' 10").....				97	20.00	20.00	20.00	20.00	20.00
Add for Pull Rod Equalizer for Jacks up to and including 12,000 lb. Capacity.....				30	7.35	7.45	7.50	7.55	7.60
Add for Pull Rod Equalizer for Jacks 16,000 lb. Capacity and greater.....				32	8.00	8.10	8.15	8.20	8.25
Add for Emergency Wire Line with Cable Clips:									
For 8,000 lb. Capacity Jacks ( $\frac{3}{4}$ " x 12' 4").....				14	5.60	5.60	5.60	5.60	5.60
For 10,000 lb. Capacity Jacks ( $\frac{3}{4}$ " x 14' 3").....				16	6.15	6.15	6.15	6.15	6.15
For 12,000 lb., 16,000 lb. and 17,000 lb. Capacity Jacks ( $\frac{3}{4}$ " x 16' 6").....				18	6.75	6.75	6.75	6.75	6.75
For 20,000 lb. Capacity Jacks (1" x 20' 4").....				37	10.80	10.80	10.80	10.80	10.80
If Cable Clips are not desired, deduct:.....				3	1.45	1.45	1.45	1.45	1.45

**Note:** Above prices are based on delivery to railroad or motor freight points in the respective zones. For delivery to field lease locations, add \$5.00 net for the first jack and \$2.00 net for each additional jack on same order.



## PRODUCTION EQUIPMENT



*Figure 53—Ideco Type A Pumper powered by an electric motor mounted under the Sampson Post. It is equipped with Type W Cranks and counterweights, filler casting, rein-type hanger and a lubrication platform.*

## DESIGN A PUMPERS

The Design A Pumps are ruggedly built from the ground up, with ample strength, rigidity and endurance for the heaviest of wells. The four-legged derrick-type samson post is bolted to the base sills so that it may be laid down during transportation. The walking beam is provided with a lowered step for supporting the equalizer bearing. All three beam bearings are thus located in a straight line. All pit-

man and equalizer connections have provisions for taking up backlash at the semi-rigid pin joints, thus avoiding the development of high fatigue stresses. All moving parts operate in roller bearings which are totally enclosed, sealed and positively lubricated. All Design A Pumps are equipped with rod-rein beam hangers.



## DESIGN A PUMPERS

## A.P.I. SERIES

## SPECIFICATIONS

Pumper No.—Without Reducer Sub-Base..... Pumper No.—With Reducer Sub-Base.....	A-20S160 AF-20S160	A-20D160- AF-20D160	A-23S228 AF-23S228	A-23D228 AF-23D228	A-27S320 AF-27S320	A-27D320 AF-27D320
Nominal Structure Capacity, Lbs.....	20,000	20,000	23,000	23,000	27,000	27,000
Peak Torque Capacity @ 20 S.P.M.—Inch Lbs..	160,000	160,000	228,000	228,000	320,000	320,000
Nominal H.P. Capacity @ 20 S.P.M.....	32.0	32.0	45.6	45.6	64.0	64.0
Single or Double Reduction.....	Single	Double	Single	Double	Single	Double
Overall Gear Ratio.....	9.8	30.3	9.8	32.3	9.6	31.4
Crank Shaft Diameter at Bearings.....	5½"	6"	6"	6½"	6½"	6½"
Crank Number.....	W-2	W-2	W-2	W-2	W-3	W-3
Counterweight Number.....	W-2	W-2	W-2	W-2	W-3	W-3
Maximum Stroke.....	64"	64"	64"	64"	74"	74"
V-Belt Sheave.....	30½" x 5D	23½" x 5C	30½" x 6D	23½" x 6C	35" x 8D	23½" x 8C
Walking Beam Size.....	24" @ 100 lb.	24" @ 100 lb.	24" @ 130 lb.	24" @ 130 lb.	27" @ 163 lb.	27" @ 163 lb.
Walking Beam Working Centers.....	120"	120"	132"	132"	150"	150"
Walking Beam Capacity (A.P.I.), Lbs.....	19,100	19,100	23,600	23,600	27,000	27,000
Length of Base, Short Skids.....	13' 9"	15' 9"	13' 9"	15' 9"	19' 3"	19' 3"
Width of Main Sills, Out-to-Out.....	31¾"	31¾"	31¾"	36"	38"	38"
Width of Base at Samson Post.....	5' 0"	5' 0"	5' 0"	5' 6"	5' 8"	5' 8"
Height, Bottom of Base to Top of Beam.....	15' 2"	15' 2"	15' 2"	15' 4"	17' 11"	17' 11"
Depth of Base Beams.....	14"	14"	14"	16"	18"	18"
Weight, Lbs.—Standard Equipment—A Pumpers.. AF Pumpers	12,913 13,700	13,500 14,300	15,460 16,260	15,885 16,785	23,400 24,200	22,850 23,750

**IDECO PUMPER BEARINGS**—The equalizer bearings, beam center bearings and hanger bearings in all Ideco Pumpers are needle-bearing equipped. The bearings are totally enclosed and sealed. They are pressure lubricated through conduits from a central point at the top of the samson post.

### WHEEL-TYPE CRANKS AND COUNTERBALANCES

The principal advantage of Wheel-Type Cranks is the ease with which the counterweights may be moved to provide an adjustment any place between

zero and maximum counterbalance effect. This procedure involves no lifting of heavy weights. The weights are shifted in all cases by the force of gravity.

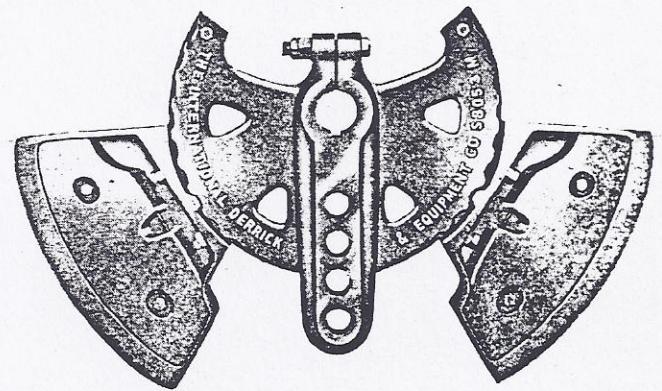


Figure 54—Ideco Crank and Counterweights

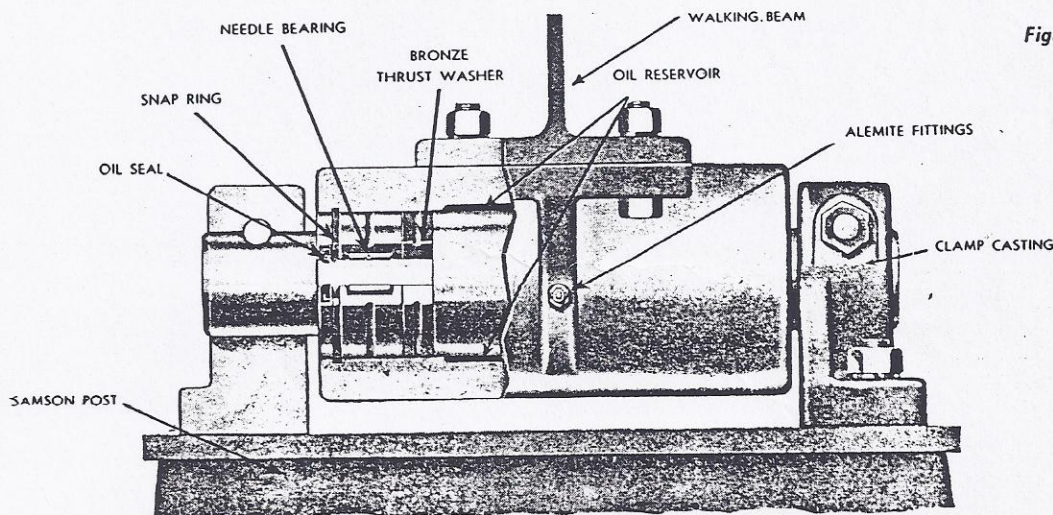


Figure 55—Cut-away view of Beam Center Bearing



## DESIGN C PUMPERS

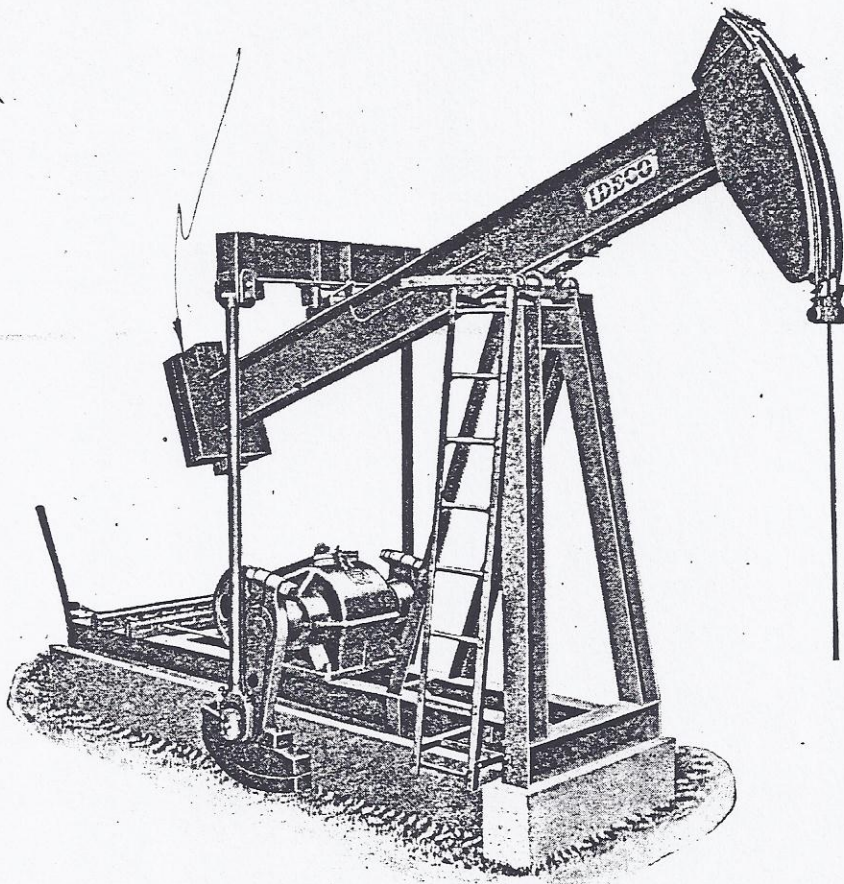


Figure 56

*Design CB Pumper equipped with Type L cranks, crank weights and beam counterweights. Small crank weights are frequently used in connection with beam weights to provide a desirable fly-wheel effect.*

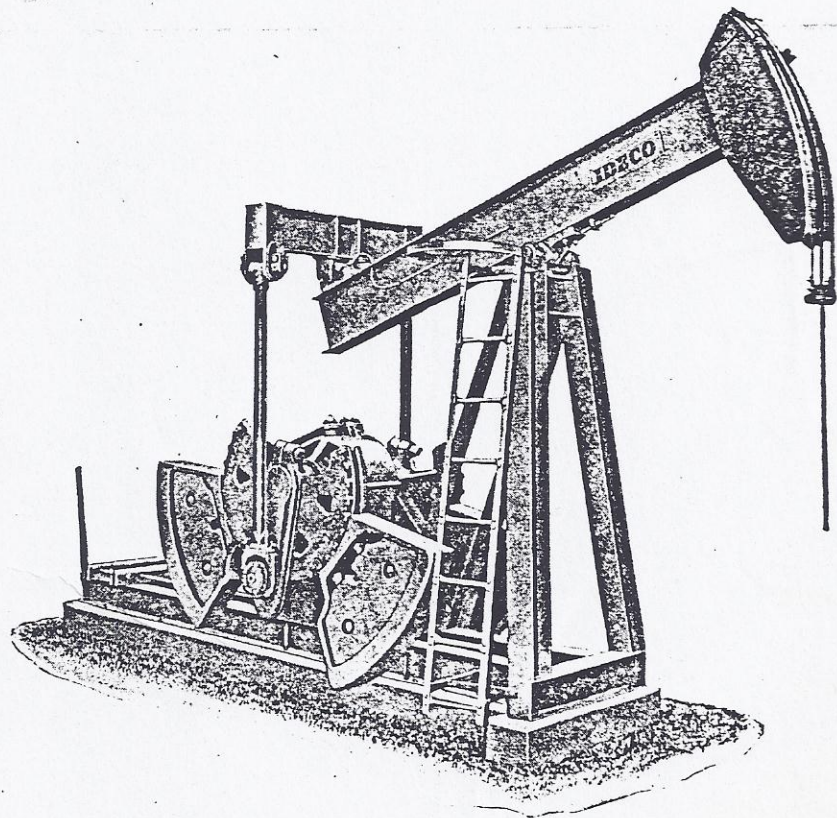


Figure 57

*Design C Pumper equipped with PW cranks and WH counterbalances. A filler casting elevates the reducer to provide clearance for the swing of the crank counterbalances, thus avoiding the need for a deep concrete pad under base sills.*

The smaller Design C Pumpers are equipped with the same constructional features and have the same reserve strength as the larger Design A Pumpers. The principal difference is in the structure proper. The samson post, base and base extension are assembled as a single all-welded unit. This unitized construction is preferable in small pumpers where the overall dimensions come within road limits. The equalizer bearing is mounted on top of the walking beam.





## DESIGN C PUMPERS A.P.I. SERIES

### SPECIFICATIONS

Pumper No.—Without Reducer Sub-Base..... Pumper No.—With Reducer Sub-Base.....	CB-9D40 CBF-9D40	CB-12D57 CBF-12D57	C-12D57 CF-12D57	C-14D80 CF-14D80	C-16S114 CF-16S114	C-16D114 CF-16D114
Nominal Structure Capacity, Lbs.....	9,000	12,000	12,000	14,000	16,000	16,000
Peak Torque Capacity @ 20 S.P.M.—Inch Lbs....	40,000	57,000	57,000	80,000	114,000	114,000
Nominal H.P. Capacity @ 20 S.P.M.....	8.0	11.4	11.4	16.0	22.8	22.8
Single or Double Reduction.....	Double	Double	Double	Double	Single	Double
Overall Gear Ratio.....	30.3	30.9	30.9	30.9	10.0	30.3
Crank Shaft Diameter at Bearings.....	4"	4½"	4½"	5"	5"	5½"
Crank Number.....	L-1	L-2	PW-1	PW-1	PW-1	PW-1
Counterweight Number.....	Beam	Beam	WH-1	WH-1	WH-1	WH-1
Maximum Stroke.....	34"	40"	40"	46"	54"	54"
V-Belt Sheave.....	18" x 4B	19" x 3C	19" x 3C	23½" x 4C	22½" x 7C	23½" x 4C
Walking Beam Size.....	14" @ 30 lb.	16" @ 45 lb.	16" @ 45 lb.	18" @ 55 lb.	21" @ 68 lb.	21" @ 68 lb.
Walking Beam Working Centers.....	48"	60"	60"	69"	81"	81"
Walking Beam Capacity (A.P.I.), Lbs.....	8,750	11,700	11,700	13,500	15,900	15,900
Length of Base—Long Skids.....	12' 6"	14' 0"	14' 0"	10' 0"	10' 0"	13' 9"
Width of Main Sills, Out-to-Out.....	23"	23¾"	23¾"	23¾"	23¾"	31¾"
Width of Base at Samson Post.....	2' 11"	3' 8"	3' 8"	4' 4"	4' 4"	5' 0"
Height, Bottom of Base to Top of Beam— Mid-Continent.....	7' 5"	9' 1"	9' 1"	10' 3"	10' 3"	14' 8"
Height, Bottom of Base to Top of Beam— California.....	9' 8"	11' 0"	11' 0"	12' 8"	14' 8"	14' 8"
Depth of Base Beams.....	6"	8"	8"	8"	8"	8"
Weight, Lbs.—Standard Equipment— CB and C Pumpers.....	3,407	5,200	5,855	7,300	7,665	10,325
CF Pumpers.....	3,657	5,565	6,660	7,960	8,080	10,975

### PENDULUM PUMPER

There are many pumping-jobs which the Pendulum Pumper will perform more economically than any other type of pumping equipment. The Pendulum Pumper installed costs much less than a conventional central power installation and is also more economical than a number of individual units with separate prime movers.

The pendulums in this machine operate a system

of pull rods which serve a group of pumping jacks. Any rod line may be disconnected by means of a bail-type knock-off and the remaining wells may be balanced by shifting the counterweights to the proper position around the rim of the crank. The ease with which any combination of wells may be balanced by the crank weights at a central point is one of the outstanding features of this machine.

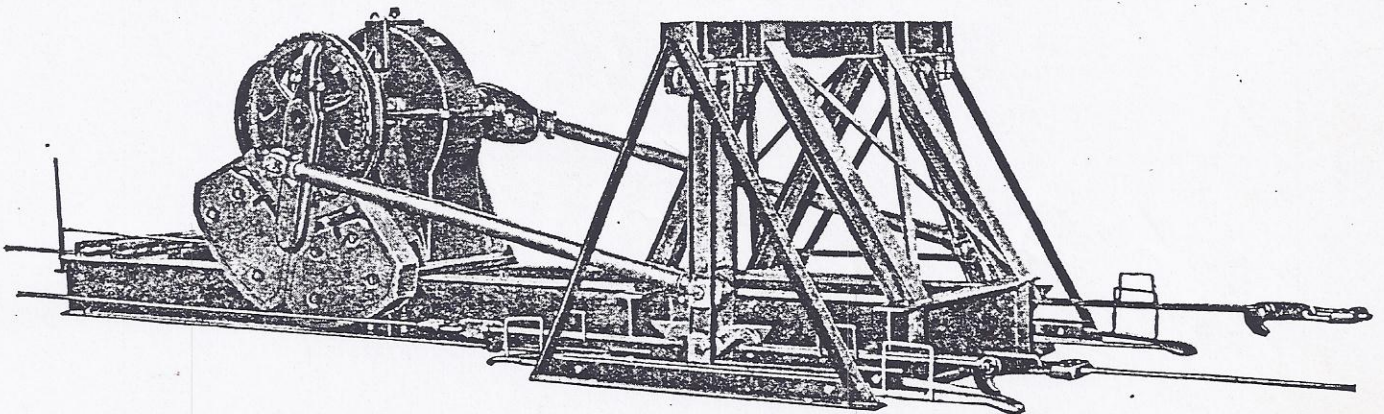


Figure 58—Showing the Ideco Pendulum Pumper