



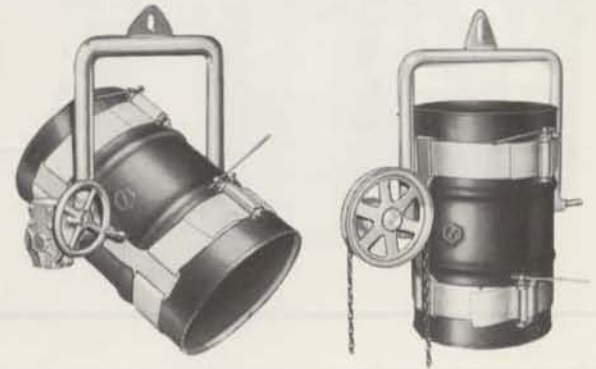
Handling Equipment

GEARED DRUM TURNER

For rotating drums in either direction through 360° for emptying, draining, etc. The totally enclosed worm gear unit provides ample mechanical advantage for turning and holding the heaviest drums in any desired position. The unit may be quickly adjusted for drums from 18 inch to 24 inch diameter. The woven cotton belts will not damage the drum and are easily replaceable. Belts are equipped with a ratchet roller which will effectively tighten the belts on the drum to any degree required.

Item Number 210 is provided with a hand wheel for use when the turning operation is within reach of the operator.

Number 211 is provided with a pocket wheel, chain guide and 12 feet of hand chain for remote control of the turning operation.



ITEM NO.	OPERATION	DRUM DIAS.	CAP. LBS.	WGT.
210	HAND WHEEL	18" TO 24"	1000	176
211	HAND CHAIN	18" TO 24"	1000	195

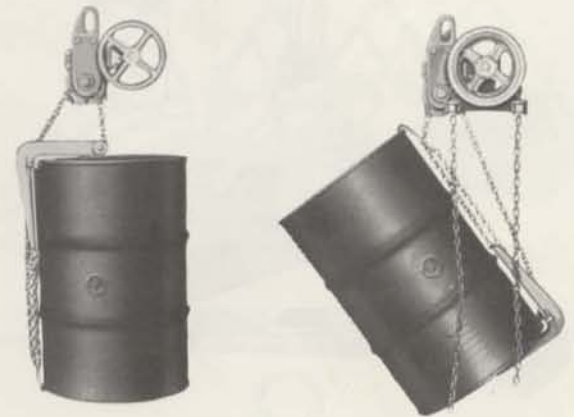
GEARED TILTER SLING

May be suspended from an overhead hoist to tilt, turn and hold drums in position for emptying. The totally enclosed worm and miter gear unit will turn the heaviest drums with a minimum of effort. Head of drum may be rotated from the vertical down thru 135 degrees which is sufficient for most dumping and draining operations.

Hooks are easily and quickly attached to the drum which may be in either the vertical or horizontal position.

Item Number 205-1 is furnished with a hand wheel for use when the tilting operation is within reach of the operator.

Number 205-2 is fitted with a pocket wheel, chain guide and 12 feet of hand chain for remote control of the dumping operation.

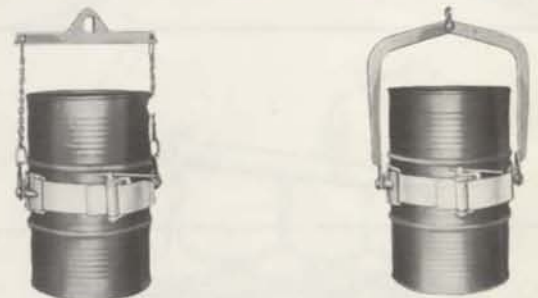


ITEM NO.	OPERATION	DRUM LENGTHS	CAP. LBS.	WGT.
205-1	HAND WHEEL	24" TO 38"	1000	101
205-2	HAND CHAIN	24" TO 38"	1000	122

MANUAL DRUM TURNER

Manual turners for handling and dumping drums where precise control is not required. Bails are detachable from trunnions.

The woven cotton belt will not damage the drum and is easily replaceable. Belt is fitted with a ratchet roller which will effectively tighten the belt on the drum to any degree required.



ITEM NO.	STYLE	DRUM DIAS.	CAP. LBS.	WGT.
214	HINGED BAIL	18" TO 24"	1000	39
217	CHAIN	18" TO 24"	1000	34

DOWN'S CRANE & HOIST CO. INC.

MECHANICAL ENGINEERS

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U.S.A.

DESIGNERS & MANUFACTURERS OF MATERIAL HANDLING EQUIPMENT SINCE 1922

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MECHANICAL ENGINEERS

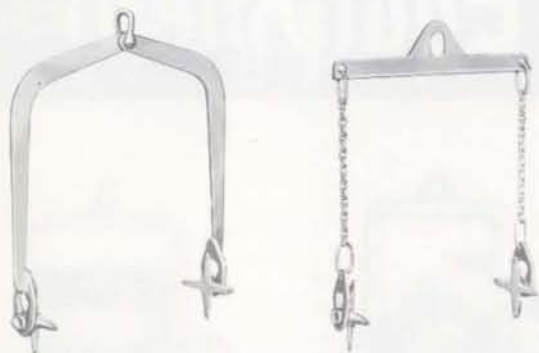
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BAIL AND TRUNNION

Manual drum turner, in both hinged and chain type bails, fitted with plain spider type trunnions.

The trunnions are designed to be permanently installed on drums, troughs, bins, buckets, etc. They may be bolted, riveted, welded or brazed to the container. The bails are quickly detachable from the trunnions. Additional trunnions may be purchased to equip any number of containers for use with a single bail.

These drum turners are particularly useful where material such as parts, castings, etc., are to be stored in drums or other containers which may be equipped with trunnions. The quickly attached bail will make a simple operation of subsequent handling and dumping.



ITEM NO.	STYLE	WIDTH CLEAR	HGT. CLEAR	HGT. MAX.	CAP. LBS.	WGT. LBS.
215	HINGED BAIL	24"	19"	28"	1000	28
216	HINGED BAIL	24"	19"	30"	2000	37
218	CHAIN	24"	26"	31"	1000	22
219	CHAIN	24"	26"	32"	2000	29

DRUM CHIME TONG

DOWNS Drum Chime Tongs are for handling drums in the upright or vertical position. They will handle all drums, with or without heads, (closed or open) from eighteen inches to twenty four inches in diameter inclusive. In operation, the lifting is done entirely by placing a powerful grip on the drum chime or rim. A chime depth of one-half inch is all that is required for a positive grip. The jaws will open and take all chimes up to one inch in thickness.

They are light, fast and are easily operated with one hand. The sliding jaws provide instant adjustment to the various drum diameters. The lifting arms are self equalizing and both have the same positive grip. The holding power is not affected by oily or greasy surfaces. The jaws will not kink or damage the drum in any manner. The tong will not squeeze in nor crush open top drums.

With these tongs, drums may be moved into and out of storage in an upright position, and stacked in tiers to any height. A drum can be lifted out of a tier without moving or disturbing the surrounding drums. Open drums can be handled without spilling the contents.

The heavier model is suitable for handling drums containing parts, castings, etc., up to one ton in weight.



ITEM NO.	DRUM DIAS.	JAW OPENING	HEAD RM. REQD.	CAP. LBS.	WGT. LBS.
245	18" TO 24"	1"	16"	750	22
246	18" TO 24"	1"	20"	2000	39

CHIME TONG SPREADER

A gang lifter consisting of Drum Chime Tongs assembled on a spreader for handling a number of drums at each lift. Drums are lifted in the vertical or upright position.

The tongs must be manually placed but may be automatically released from the drums by moving the spreader a short distance endwise.

The load may be handled by the central lifting eye where close headroom is a factor. For better balance, a sling may be attached to the end lugs which are provided on the spreader.



ITEM NO.	WILL HANDLE AT EACH LIFT	HEAD RM. REQD.	CAP. LBS.	WGT. LBS.
248-2	TWO DRUMS	24"	1500	67
248-3	THREE DRUMS	26"	2250	114
248-4	FOUR DRUMS	27"	3000	179
248-5	FIVE DRUMS	29"	3750	263
248-6	SIX DRUMS	30"	4500	371

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VERTICAL DRUM GRAB

A fully automatic grab for the fast handling of drums in the vertical position. Regularly furnished for handling standard 55 gallon drums with a uniform shell or body diameter of 22 1/2 inches. If dimensions are otherwise they must be specified by the purchaser. The various models, as listed below, are suitable for handling from three to six drums at each lift.

The construction of the grab is such that it will not interfere with adjacent drums or material. Special spacing of the drums is not required, they need only be reasonably in line to facilitate placing the grab on the drums for the lift.

This grab is equipped with an automatic device which permits the hoist operator to accomplish all loading and unloading of the grab by merely raising and lowering the hoist line.

ITEM NO.	WILL HANDLE AT EACH LIFT	HEAD RM. REQD.	CAP. LBS.	WGT. LBS.
206-3	THREE DRUMS	23"	2250	525
206-4	FOUR DRUMS	23"	3000	660
206-5	FIVE DRUMS	25"	3750	833
206-6	SIX DRUMS	27"	4500	1008

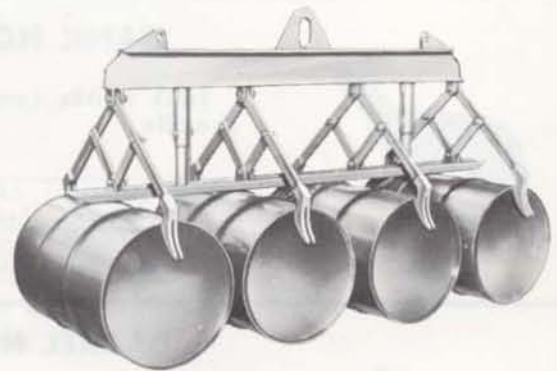


HORIZONTAL DRUM LIFTER

An automatic grab for the fast handling of drums in the horizontal position. The various models, as listed below, are suitable for handling from three to six drums at each lift.

To pick up a load the grab must be spotted over the drums and lowered until the hooks engage the drum ends. To release the drums, lower the grab until the center bar forces the hooks open, a short end movement of the grab will then place the hooks in a position where the device may be lifted clear.

ITEM NO.	WILL HANDLE AT EACH LIFT	HEAD RM. REQD.	CAP. LBS.	WGT. LBS.
227-3	THREE DRUMS	30"	2250	247
227-4	FOUR DRUMS	31"	3000	328
227-5	FIVE DRUMS	33"	3750	420
227-6	SIX DRUMS	34"	4500	532

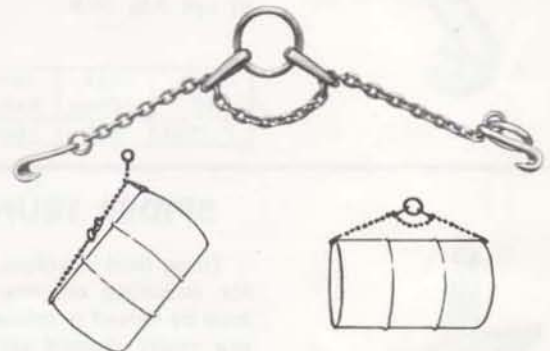


ADJUSTABLE BARREL SLING

Adjustable slings for handling barrels and drums in the horizontal position. The grab links will permit the chains to be set at the proper length for lifting barrels of any size from small nail kegs up to drums 38 inches in length.

Slings may also be adjusted to lift barrels and drums in the most advantageous position for loading, stacking, emptying, draining, standing on end, or lifting in the semi-vertical position.

ITEM NO.	MAX. DRUM LGTHS.	CAP. LBS.	WGT. LBS.
327	38"	750	8
328	38"	1100	9



VERTICAL DRUM SLING

A light fast sling for handling drums with a rolled rim in the vertical position. The drums may be open or closed.

Not recommended for heavy lifts, as ordinary drum construction does not provide a secure means of attachment for the hooks when drums are to be lifted in this manner.

ITEM NO.	STYLE	DRUM DIAS.	HEAD RM. REQD.	CAP. LBS.	WGT. LBS.
317-2	DOUBLE CHAIN	24"	11"	750	5
317-3	TRIPLE CHAIN	24"	11"	1100	7



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DRUM & TANK SPREADER



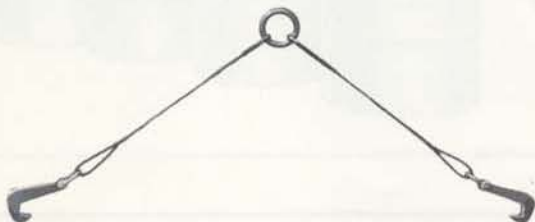
An adjustable spreader type grab for handling drums and chlorine cylinders. They are easily manipulated with one hand and require very little headroom for operation.

ITEM NO.	FOR DRUM AND CYLINDER LGTHS.	HEAD RM. REQD.	CAP. LBS.	WGT. LBS.
201-8	30 TO 40"	9 1/2"	750	22
201-15	30 TO 40"	11"	1500	30
203-40	60 TO 72"	12 1/2"	4000	87
203-60	60 TO 72"	13"	6000	111

CHLORINE TANK SLING

Individual tank hooks assembled on a wire rope sling. These slings are lighter in weight than spreader type grabs but require more headroom.

ITEM NO.	FOR CYLINDER LENGTHS	HEAD RM. REQD.	CAP. LBS.	WGT. LBS.
204-40	48" TO 72"	35"	4000	24
204-60	48" TO 72"	36"	6000	38



TANK HOOK

Tank hooks complete with shackle.



ITEM NO.	HOOK OPENING	CAP. EACH	WGT. EACH
202-20	1 1/2"	2000	8
202-30	1 3/4"	3000	12

BELT TRUNNION

Trunnion belt plates with slots for reeving over a belt of five inch width.



ITEM NO.	FOR BELT WIDTH	WGT. EACH
221	5"	4 1/2

BARREL HOOK

Hooks suitable for all standard drums and barrels. Inside diameter of eye 1 1/4 inch.



ITEM NO.	HOOK OPENING	CAP. EACH	WGT. EACH
P 7565	7/8"	1000	1 1/2

RATCHET ROLLER

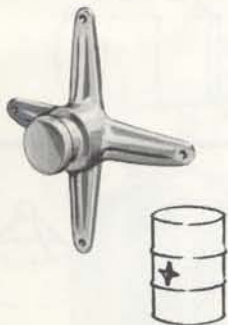
Ratchet roller, for tightening belts, equipped with a slip handle and a spring set pawl for holding the belt tension. Quick action and easy release.



ITEM NO.	FOR BELT WIDTH	WGT. EACH
213	5"	5 1/2

SPIDER TRUNNION

These steel trunnions are suitable for mounting on any object that must be turned or rotated. The arms are easily shaped cold to fit the contour of drums or other containers. They may be bolted, riveted, welded or brazed in place.



ITEM NO.	CAP. EACH	WGT. EACH
220	1000	2 1/2

DRUM BELT

Woven cotton belt used on belt type drum turners. Fitted with a loop on one end suitable for use with number 213 belt ratchet and number 221 trunnion plate.



ITEM NO.	WIDTH INCHES	LGTH. INCHES	WGT. EACH
200	5	81	2

We reserve the right to change designs at any time when in our opinion the product may be improved thereby. Weights given are approximate and may vary.

Capacities given have been carefully calculated and proven in use; they are submitted without assuming any responsibility beyond the original price of the merchandise.

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