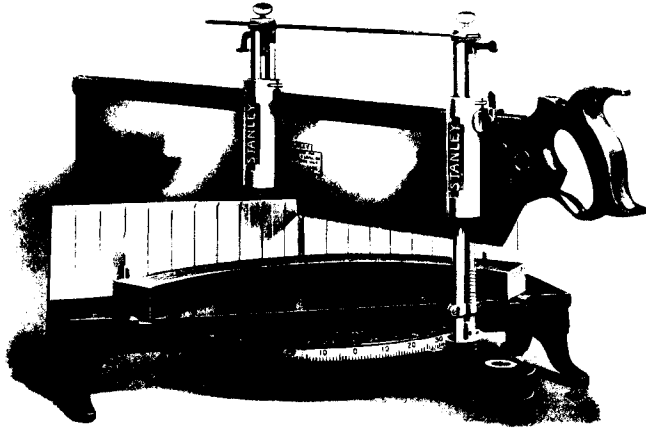


Stanley Mitre Boxes



COPYRIGHT, 1906, BY THE STANLEY RULE AND LEVEL COMPANY

ILLUSTRATION OF NO. 244 WITH BACK SAW AND SHOWING SEGMENT OF CIRCLE FIRMLY SUPPORTED BY STOCK GUIDE

Stanley Mitre Boxes

STANLEY MITRE BOXES are constructed on entirely novel lines and embody EXCLUSIVE and IMPORTANT FEATURES not to be found in any other Mitre Box. They are thoroughly mechanical in design, have all parts made by jig and template, and are INTERCHANGEABLE.

They are compact, strong and durable, are quickly and easily put together or taken apart for ease in carrying, have the greatest strength with the least weight, and will do the WIDEST RANGE OF WORK of any Mitre Box made.

THE BACK AND FRAME, GRADUATED QUADRANT AND SWIVEL ARM BEARING are in one piece and accurately machined.

THE QUADRANT is accurately graduated in Degrees as well as being marked for cutting multi-sided pieces and will remain mathematically correct. Experience has shown this to be a more accurate and far superior form of construction to a built up or riveted frame.

THE LEGS which are detachable are so designed as to give great stability to the Box and being of Malleable Iron are UNBREAKABLE.

THE SWIVEL ARM is pivoted in the Frame and has a Bushing so fitted as to prevent any play of the parts. It is provided with a Taper Index Pin which engages in holes on the under side of the Quadrant at the commonly used Angles permitting the cutting of 4, 5, 6, 8, 12, and 24 Sided Pieces or by setting the Saw at 0 a Square Cut can be made. By merely releasing the Clamping Lever the Taper Index Pin enters the hole of the Quadrant.

THE INDEX PIN being TAPER is always tight in the hole and the position of the Swivel Arm is always held rigidly and correctly without any LOST MOTION, and remains true and tight, as any wear in the hole is compensated for by the Taper Pin. This form of construction is far superior and more accurate than the ordinary slotted form of Quadrant subject to wear.

THE INDEX SIGHT PLATE with fine hair line graduation at bottom of Front Saw Guide Upright enables the workman to swing the Swivel Arm accurately up to one of the Index Holes or to any Degree of Graduation on the Quadrant that is desired.

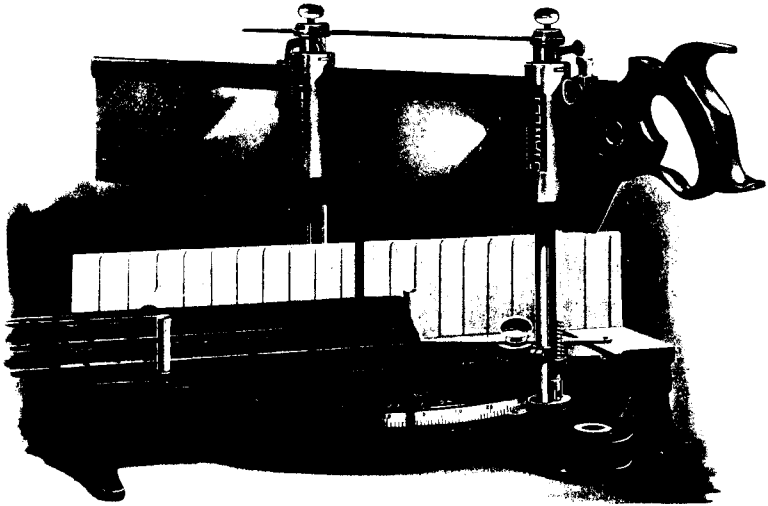
THE SWIVEL ARM can be set at any point between the Index Holes on the Graduated Quadrant merely by releasing the Clamping Lever, which AUTOMATICALLY locks it in the desired position. This feature is shown by the small sectional cut at the bottom of page 80.

THE CLAMPING LEVER under the front of the Swivel Arm may be held up by means of a swinging Thumb Lever, the workman can then swing the Saw or Swivel Arm to any line of the Quadrant, and by a slight movement of the Thumb Lever, the Clamping Lever is released and the Swivel Arm AUTOMATICALLY locked in any desired position.

A SECOND SOCKET in the Swivel Arm is provided in which the Front Saw Guide Upright can be placed, permitting the use of a short Saw or allowing a much longer stroke with the standard or regular Saw. By placing the Saw Guide Upright in the outer hole an extra wide range of work can be done with these boxes and they will then saw at an angle of 30 DEGREES and without using the Stock Guide.

By placing straight work against one of the Guides, instead of against the back of the Box, the MOST ACUTE ANGLES can be cut.

Stanley Mitre Boxes



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ILLUSTRATION OF NO. 358 WITH SAW HELD ABOVE WORK AND IN THE ACT OF BEING TRIPPED. STOCK GUIDE USED AS LENGTH GAUGE

Stanley Mitre Boxes

THE SAW GUIDE UPRIGHTS are Steel Rods and carry the Saw Guide Cylinders in which the Saw Works. These Uprights, which are instantly removable, are adjustably set in the Swivel Arm, and are clamped by turning the Expanding Screw at the Base, and may be adjusted to hold the Saw WITHOUT SIDE PLAY, thus securing great accuracy in the working.

AUTOMATIC CATCHES at the top of the Saw Guides hold the Saw locked and CLEAR OF THE WORK when not in use, allowing the workman to use both hands in placing the work. By simply moving the Stop on the Saw against the Lever Trip, the FRONT CATCH is released and the Saw falls slightly pitched forward, automatically releasing the REAR CATCH without any NECESSITY for the workman TAKING HIS HAND FROM THE SAW or TOUCHING THE TRIP LEVER.

MOVABLE STOPS are attached to the Saw Uprights, which can be set so as to permit the Saw to cut only to the desired depth or to prevent cutting through the Base Board or on to the Metal Frame. A Spring, put on one Upright, cushions the Saw should it fall and also slightly lifts the Saw off the work when not pressed down.

A TIE BAR is provided at the top of the Uprights giving great rigidity. When it is necessary to place long work in the Box this Bar can be quickly removed by turning the thumb screws which secure it to the uprights.

STOCK GUIDES are fitted on the back of the Frame and are held by a Clamping Device, and may be used for holding the work or as a Length Gauge by Clamping the Guides on the Plate in the Board as shown by cut on opposite page. By using the Stock Guides, segments of circles or irregular forms may be held securely in the Box as shown by the cut on page 76. Mouldings the shape of which gives no support can be held firmly and always in the same position.

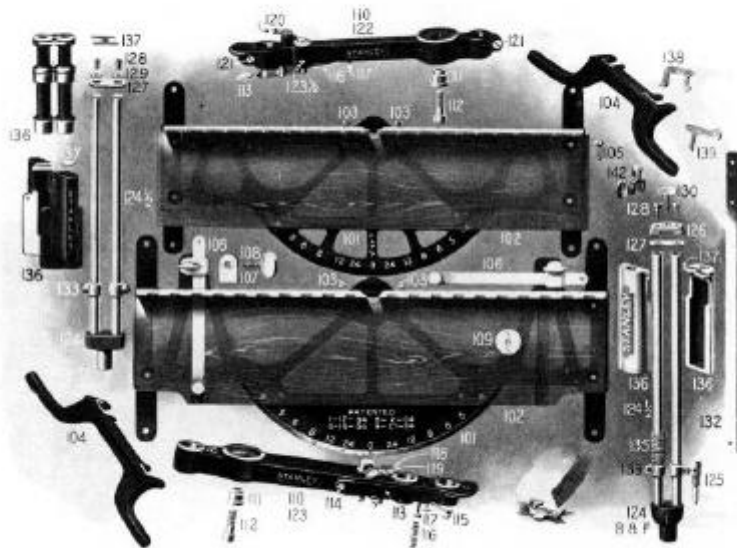
THE TWO ADJUSTABLE SPURS in the back of the Frame hold the work from slipping.

THE NARROW OPENING in the Back of the Frame is specially adapted for sawing narrow work.

NO.	LENGTH	WIDTH BOARD	CAPACITY AT			SIZE SAW	PACKED		MITRE BOX ONLY		PACKED		MITRE BOX AND SAW		NO.
			RIGHT ANGLE	MITRE 45°	30° WITHOUT GUIDE		IN BOX	WT. LBS.	CODE	PRICE \$	IN BOX	WT. LBS.	CODE	PRICE \$	
240	18 IN.	4 1/4 IN.	8 1/4 IN.	5 1/2 IN.	3 1/2 IN.	20 X 4 IN.	1	23	STAMITABAL	9.50	1	28	STAMITEGAL	10.50	240
242	18 "	4 1/4 "	" "	" "	" "	22 X 4 "	1	23	STAMITABEM	9.50	1	28 1/4	STAMITEGEM	10.75	242
244	18 "	4 1/4 "	" "	" "	" "	24 X 4 "	1	23	STAMITABIN	9.50	1	28 1/2	STAMITEGIN	11.00	244
246	18 "	4 1/4 "	" "	" "	" "	26 X 4 "	1	23	STAMITABOP	9.50	1	30	STAMITEGUR	11.25	246
346	20 1/2 "	4 1/4 "	9 1/2 "	6 1/2 "	4 1/4 "	26 X 4 "	1	29	STAMITABUR	10.50	1	34	STAMITERAT	12.25	346
358	20 1/2 "	4 1/4 "	" "	" "	" "	28 X 6 "	1	29	STAMITATAR	0.76	1	36	STAMITEREX	13.00	358
460	24 "	5 1/4 "	11 "	7 1/2 "	5 1/4 "	30 X 6 "	1	42	STAMITATES	13.50	1	51	STAMITERIZ	16.00	460

The Back Saws for the above Mitre Boxes are especially made by Henry Disston & Sons, Ltd.

Parts of Stanley Mitre Boxes



Parts of Stanley Mitre Boxes

NO.	NAME OF PART	NUMBER OF MITRE BOX									CODE	NO.
		50	50½	240	242	244	246	346	358	460		
		\$	\$	\$	\$	\$	\$	\$	\$	\$		
101	FRAME	3.00	3.00	3.50	3.50	3.50	3.50	4.20	4.20	5.60	STAMOTICEL	101
102	.. BOARD	.30	.30	.30	.30	.30	.30	.30	.30	.50	STAMOTICIM	102
103	.. BACK SPUR	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTICOM	103
104	.. LEG	.30	.30	.30	.30	.30	.30	.35	.35	.40	STAMOTICUP	104
105	.. SCREW	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTIDAR	105
106	STOCK GUIDE			.25	.25	.25	.25	.25	.25	.25	STAMOTIDES	106
107	.. CLAMP			.05	.05	.05	.05	.05	.05	.05	STAMOTIDIT	107
108	.. THUMB SCREW			.10	.10	.10	.10	.10	.10	.10	STAMOTIDOX	108
109	.. PLATE			.05	.05	.05	.05	.05	.05	.05	STAMOTIDUZ	109
110	SWIVEL ARM	.75	.75	1.25	1.25	1.25	1.25	1.40	1.40	1.65	STAMOTIFAC	110
111	.. BUSHING	.15	.15	.15	.15	.15	.15	.15	.15	.15	STAMOTIFED	111
112	.. SCREW	.15	.15	.15	.15	.15	.15	.15	.15	.15	STAMOTIFOF	112
113	INDEX CLAMPING LEVER	.10	.10	.20	.20	.20	.20	.20	.20	.25	STAMOTIFOG	113
114	.. FULCRUM SCREW			.05	.05	.05	.05	.05	.05	.05	STAMOTIKAN	114
115	.. CATCH OR LOCK			.05	.05	.05	.05	.05	.05	.05	STAMOTIKAS	115
116	.. SPRING			.05	.05	.05	.05	.05	.05	.05	STAMOTIKUT	116
117	.. SCREW			.05	.05	.05	.05	.05	.05	.05	STAMOTILAX	117
118	SWIVEL ARM SIGHT PLATE			.10	.10	.10	.10	.10	.10	.10	STAMOTILEZ	118
119	.. SCREW			.05	.05	.05	.05	.05	.05	.05	STAMOTILOC	119
120	.. POSITION SCREW	.05	.05								STAMOTIMOL	120
121	.. CLAMP	.05	.05								STAMOTIMUN	121
122	.. COMPLETE FOR NOS. 90 AND 50½	1.00	1.00								STAMOTINER	122
123	.. 240 TO 460			2.50	2.50	2.50	2.50	2.75	2.75	3.00	STAMOTINIS	123
123½	.. INDEX BUSHING SET SCREW	.05	.05								STAMOTINOT	123½
124	SAW GUIDE "T" BASE	.25	.25								STAMOTIPIL	124
124B	.. (BACK)			.50	.50	.50	.50	.50	.50	.50	STAMOTIPOM	124B
124F	.. (FRONT)			.50	.50	.50	.50	.50	.50	.50	STAMOTISAG	124F
124½	.. UPRIGHTS (EACH)	.15	.15	.20	.20	.20	.20	.20	.25	.25	STAMOTISOR	124½
125	.. "T" BASE EXPANDING SCREW			.10	.10	.10	.10	.10	.10	.10	STAMOTISUS	125
126	.. UPRIGHT CAP			.05	.05	.05	.05	.05	.05	.05	STAMOTOCAR	126
127	.. PLATE	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTOCES	127
128	.. SCREW	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTOCIC	128
129	.. WASHER	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTOCOX	129
130	.. THUMB ..			.05	.05	.05	.05	.05	.05	.05	STAMOTOCUS	130
132	.. TIE BAR			.10	.10	.10	.10	.15	.15	.15	STAMOTODAC	132
133	.. STOP AND SCREW	.15	.15	.15	.15	.15	.15	.15	.15	.15	STAMOTODED	133
135	.. LIFTING SPRING			.05	.05	.05	.05	.05	.05	.05	STAMOTODIF	135
136	.. CYLINDER (EACH)	.75	.25	.35	.35	.35	.35	.35	.35	.35	STAMOTODOG	136
137	.. INSERTED PLATE	.05	.05	.05	.05	.05	.05	.05	.05	.05	STAMOTODAL	137
138	.. TRIP LEVER BACK			.15	.15	.15	.15	.15	.15	.15	STAMOTOFEM	138
139	.. FRONT			.15	.15	.15	.15	.15	.15	.15	STAMOTOFIN	139
142	.. TRIP CLAMP AND THUMB SCREW			.15	.15	.15	.15	.15	.15	.15	STAMOTOFUR	142

ALWAYS GIVE MITRE BOX NUMBER AND PART NUMBER, OR CODE FOR EACH, IN ORDERING PARTS