

MEASURING TAPES RULES AND MECHANICAL TOOLS



ROSE TOOLS, INC.

GENERAL CATALOG



MEASURING TAPES, RULES AND MECHANICAL TOOLS



ROSE TOOLS, INC.

THE LUFKIN RULE CO.

SAGINAW, MICHIGAN, U.S.A.

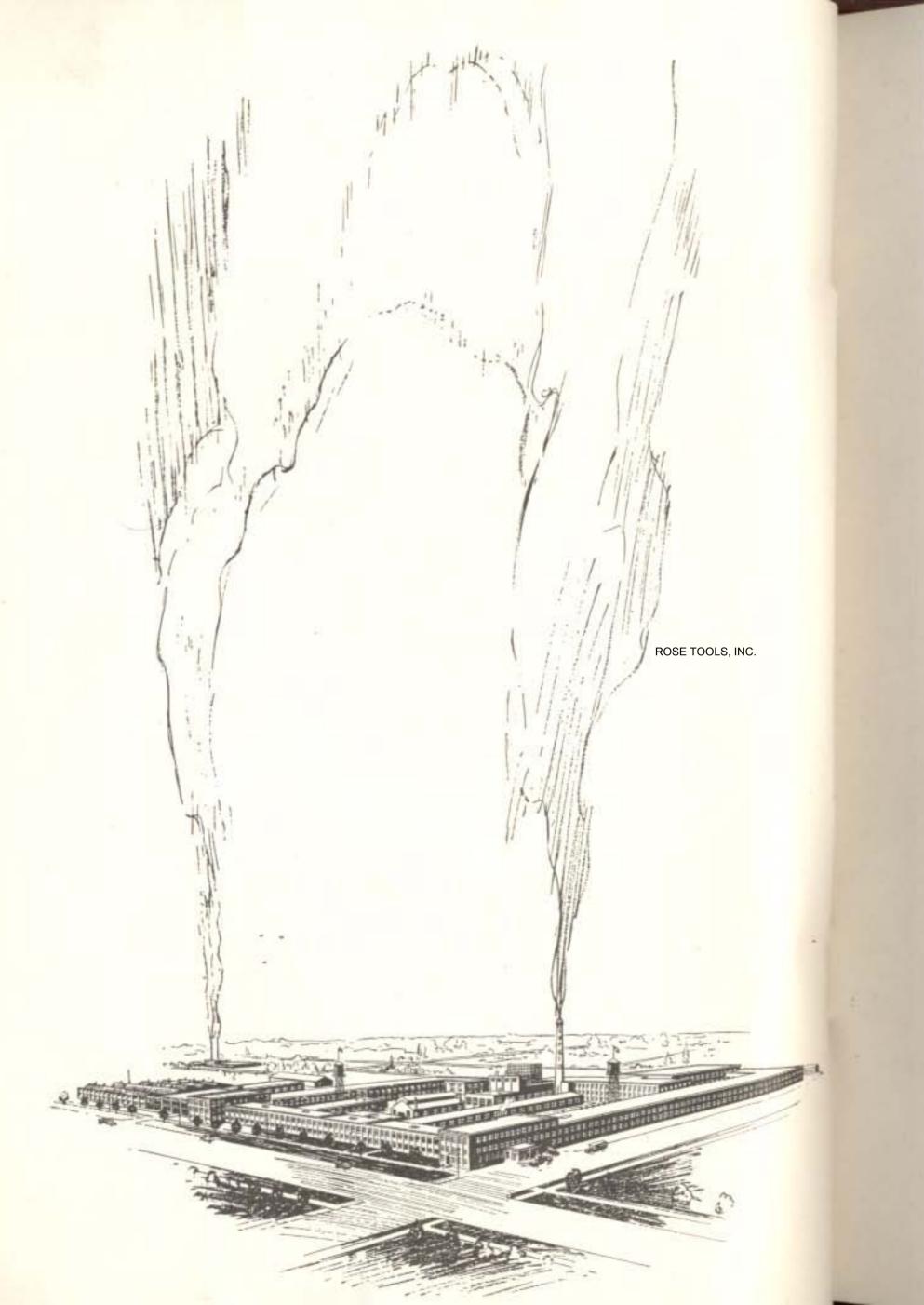
NEW YORK 106-110 Lafayette St.

LONDON, ENGLAND 61 Shoe Lane

CANADIAN FACTORY

THE LUFKIN RULE CO. OF CANADA, LTD.
WINDSOR, ONTARIO





Introduction

The Lufkin Rule Company for over forty years has made Measuring Devices. It has steadily grown and has become the world's largest manufacturer in this line.

This company has been the pioneer in the development of many of its products, and the leader in the noteworthy improvements in its field over that whole period. Its goods are sold in all markets. The organizers of the original company are the heads and in active charge of the corporation of today.

THE LUFKIN RULE CO.



This catalog represents the developments of over forty years in Measuring Instruments and kindred lines by The Lufkin Rule Company

Not only in America, but wherever measurements are taken, our goods are the recognized standard of accuracy.

We are prepared to mark our Tapes, Rules, etc., in the regular measurements of all countries.

They have established and maintain the highest standards of quality

Our lines of Tapes and Rules are most complete; we have been leaders always in the development of new items and improvement of the old to properly meet the needs of the consumer. We offer the best of service.

The goods and the progressive general policies of The Lufkin Rule Company have made it the world's largest manufacturer of Measuring Devices. The manufacture of Fine Mechanical Tools, in the Small Tool Division, is our latest development. We have entered into this in a large way and aim to make each tool the best of its kind on the market. The distinctive organization of this Division is described in Section Three of this Catalog.

All goods are made complete in our own plants. Raw materials are selected and tested to assure their being best for the purpose; skilled mechanics are employed in the manufacture; and parts, as well as completed articles, are thoroughly inspected. Special attention is given to packing.

LUFKIN goods are carried in stock by jobbers, by hardware and supply dealers, tool stores, engineering, technical and professional supply houses, stationery and other stores in all parts of the world.

Quite apart from our regular stock goods, we make Tapes and Rules with customer's advertising upon them. For details of this Advertising Specialty Line and its separate Catalog, see last pages of this book.

ROSE TOOLS, INC.

For the convenience of the trade and the public this catalog is divided into sections, as follows:

Section One STEEL MEASURING TAPES

Section Two WOVEN MEASURING TAPES

> Section Three MECHANICAL TOOLS (Small Tool Division)

Section Four BOXWOOD RULES

Section Five SPRING JOINT RULES

Section Six MISCELLANEOUS WOOD RULES ET CETERA

> Section Seven LUMBER RULES ET CETERA

Section One

STEEL MEASURING TAPES

UR Steel Tapes are universally recognized as the standard of accuracy, and are a most highly developed and specialized line. We make them in patterns and grades, lengths and graduations best suited to every need.

The lines are of highest grade tape steel, specially rolled for the purpose. Among other features they have Instantaneous Readings and "Nubian" Finish, described below. The cases, frames and reels are of most approved construction, sturdy and reliable.

LUFKIN Steel Tapes are made to bench standards certified accurate by the United States Bureau of Standards, Washington, D. C., which Bureau, for a nominal fee, will test and issue report on any tape, showing its tension and temperature of accuracy. (Such Government test we recommend for tapes to be used on very precise work). The temperature standard for steel tapes is 68 degrees Fahrenheit (equal to 20 degrees centigrade). The coefficient of expansion of steel tapes as determined by the United States Bureau of Standards is 0.000 006 45 per degree Fahrenheit, amounting on a 100 foot tape to 0.007 74 inch per degree. The standard tension for tapes of ordinary lengths when supported throughout is 10 lbs. avoirdupois (for metric tapes, 5 kilograms).

Instantaneous

Our Steel Tapes have Instantaneous Readings, a great improvement in numbering, of which we are the originators. The above illustration conveys the idea. Briefly described, it is the last preceding foot number repeated at each inch or tenth throughout the tape, in small, yet easily read figures. This keeps the total reading directly before the eye, eliminates the chance of error in running back to the last foot, and saves time. The same system is used on our metric steel tapes.

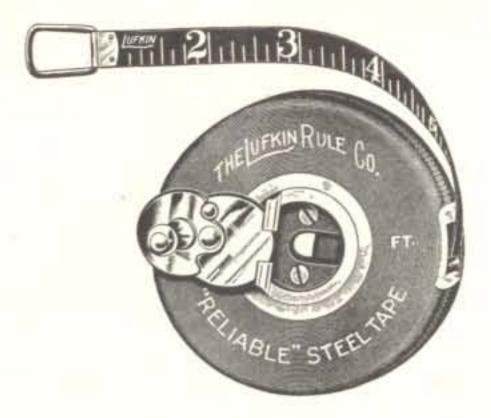
"NUBIAN" FINISH

This is the standard finish of our Steel Tapes. It consists of a dead black background, against which the raised lines and figures in the natural steel color are in marked contrast, making them most legible. This finish wears and looks well, and resists rust.

THE UFKIN

RULE





"RELIABLE" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

THE FINEST AND BEST TAPE IN THE WORLD

This is a tape suitable for all general measuring work. It is made throughout of specially selected materials, and in design, construction and finish represents the best of our long experience in the making of tapes.

Line is distinctly marked. Case is of cordovan-brown genuine leather, handsomely finished. It is closely hand-stitched and has steel liner heavily brass plated. Trimmings are nickel plated. The winding handle is doublefolding flush pattern, opened by pressing on opposite side. It has extension finger hold, affording most firm grip. Measurements guaranteed accurate.

WITH THREE-EIGHTHS INCH TAPES

Marked feet, inches	and 8ths of	inches,	one side only
---------------------	-------------	---------	---------------

No	200 25 9 \$5.45	201 33 10 \$6.30	203 50 13 \$8.60	204 66 11 \$10.90	5 75 5 18 0 \$12.50	100 21 \$15.00	150 32 \$22.00	
Marked	feet, 10	ths and	100ths of	feet, or	ne side only			
No. Length, feet Weight each, ozs. Price, each	200D 25 9 \$5.45	201D 33 10 \$6.30	203D 50 13 \$8.60	204I 66 11 \$10.96	205D 6 75 5 18	206D 100 21 \$15.00	150 32 \$22.00	
	st decim	10	203M 15 13	e side or of length 204M 20 15 \$10.90	205 19 \$13.40	206M 30 21 \$15.00	207M 50 35 \$24.00	

Marked metric and English

One side metric (first decimetre in mm., balance of length in cm.)

No 200 1/2 ME	15012	201ME		204ME 204EM	2	205 1/2 ME	206ME 206EM	207ME
No	7 ½ 25 9 \$6.00	33 10 \$7.00	50 13 \$9.60			\$15.00 English on	back)	164 35 \$27.00
(EM tape	s are as	sembled i	in case with	a English	an front,	metric on	Dack)	

Packing: One in a box

NOTE-We no longer regularly list "Reliable" tapes marked links on back, as this graduation is not extensively used. The prices of No. 200 and No. 200D series tapes above are reduced accordingly. If links on back are wanted, add 1c per foot to above list prices. Specify as "200L", "200DL", etc.

"Reliable" tapes marked feet, inches and 16ths, price, 5% extra-



"RELIABLE" STEEL TAPES (HALF INCH WIDE)

Instantaneous Readings.

"Nubian" Finish.

A TAPE OF THE HIGHEST GRADE AND EXTRA DURABILITY

Like the "Reliable" tapes of other widths, this one stands foremost among all measuring tapes. It is made from most choice materials and by

the best methods known.

ROSE TOOLS, INC.

This line, being 1/2 inch wide, has extra durability. Its markings are clear and very legible. The cordovan-brown genuine leather case is closely hand-stitched and nicely finished. It has heavily brass plated steel liner and all trimmings are nickel plated. The double-folding flush handle is opened by pressing on opposite side and has extension finger hold, giving a firm grip for winding. Measurements guaranteed accurate.

WITH ONE-HALF INCH TAPES

***	THE ONE	-tivilit ti	TON IME	Lind)		
Marked feet,	inches a	nd 8ths o	f inches, o	ne side only		
No 300	301	303	304	305	306	307
Length, feet 25	33	50	66	75	100	150
Weight each, ozs 11	13	16	20	23	27	
Price, each\$6.00	\$7.00	\$9.60	\$12.25	and the same of th	the state of the s	40
Frice, each	\$7.00	\$7.00	414.43	\$14.00	\$17.00	\$25.00
Marked feet,	10ths ar	d 100ths	of feet, o	ne side only		
No	301D	303D	304D	305D	306D	307D
Length, feet 25	33	50	66	75	100	150
Weight each, oza 11	13	16	20	23	27	40
Price, each \$6.00	\$7.00	\$9.60	\$12.25	\$14.00	\$17.00	\$25.00
11100,0000	47100	43.00	412.23	214.00	\$17.00	\$23.00
Ma	rked met	ric only.	one side or	vie		
(First dec	imetre in	mm., balar	ace of lengt	h in cm.)		
Pto	301M	303M	304M	305 1/2 M	306M	307M
Length, metres 5	10	15	20	25	30	50
Weight each, ozs 10	13	- 16	20	24	27	43
Price, each \$5.75	\$7.00	\$9.60	\$12.25	\$15.00	\$17.00	\$28.00
		43100		413.00	411.00	\$20.00
	Marked	metric an	d English			
One side metric (first decim	etre in mr	n., balance o	of length in c	m.)	
One side i	English (fe	eet, inches	and 8ths o	of inches)	07050	
No 300 1/2 ME 301	ME 303	ME 304	ME	. 305 14 ME	306ME	307ME
No 300EM 301	EM 303	EM 304	EM 305E		306EM	700000
Lgth. metres 5 71/2	10	15		22 25		50
Lgth. feet 15 25	33	50		75 82		164
Wt. ea., ozs. 10 11	13	16		23 24	27	43
Present # 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	70 \$10			The second secon		
(ME tapes are assem	blad in on	an market me	shed a look from	A The Street	4	\$31.00
(EM tapes are assemi	bled in ca	se with Er	glish on fro	ont, metric or	back)	
	Packing	: One i	n a how	The second second		
NOTE W.		. one	H M DUA			

NOTE—We no longer regularly list "Reliable" tapes marked links on back, as this graduation is not extensively used. The prices of No. 300 and No. 300D series tapes above are reduced accordingly. If links on back are wanted, add 1c per foot to above list prices. Specify as "300L", "300DL", etc.

"Reliable" tapes marked feet, inches and 16ths, price, 5% extra.

THE UFKIN

RULE



"RELIABLE" STEEL TAPES (EXTRA WIDE)

Instantaneous Readings.

"Nubian" Finish.

EXTRA STRENGTH AND LARGE, MOST LEGIBLE FIGURES ARE FEATURES OF THESE WIDE TAPES

These are the widest steel tapes we make. Being "Reliable" brand,

they are of the very finest materials and construction.

While in thickness identically same as the tapes on previous pages, the greater width gives these lines more body. It also accommodates larger figures. The cases are of cordovan-brown genuine leather, closely handstitched and well finished. They have heavily brass plated steel liner and nickel plated trimmings. Double-folding flush handle is opened by pressing on opposite side, and has extension finger hold, affording good grip for winding. Measurements guaranteed accurate.

WITH FIVE-EIGHTHS INCH TAPES

Feet, inches and 8ths of inchesNo. 341 Feet, 10ths and 100ths of feetNo. 341D Length, feet	50	66	75	100
	19	24	27	31
	11.40	\$14.70	\$16.70	\$20.40

Marked metric and English One side metric (first decimetre in mm., balance of length in cm.)
One side English (feet, inches and 6ths of inches) 346ME. 344ME 20 15

Length, metres 10 100 75 66 50 Length, feet 33 28 27 24 19 \$22.40 15 Weight each, ozs. Price, each\$9.00 \$12.40

WITH THREE-QUARTERS INCH TAPES Marked one side only

Feet, 10ths and 100ths of feet No. 351D 353D 3541 Feet, 10ths and 100ths of feet	30	\$23.00
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Marked metric and English

One side metric (first decimetre in mm., balance of length in cm.)

One side English (feet, inches and 8ths of inches)

Ne	353ME 15 50 22 \$13.90	354ME 20 66 27 \$17.80	355EM 22 75 30 \$20.00	25 82 31 \$21.40	30 100 33 \$25.00
Price each		2011112			

Packing: One in a box

NOTE-We no longer regularly list "Reliable" tapes marked links on back, as this graduation is not extensively used. The prices of No. 341, No. 341D, and No. 351 and No. 351D series tapes above, are reduced accordingly. If links on back are wanted, add 1c per foot to above list prices. Specify as "341L", 341DL", etc.



"RELIABLE JUNIOR" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

THE FINEST, LIGHT WEIGHT, LONG STEEL TAPE MADE; A MINIATURE "RELIABLE" TAPE

This, while a 1/4 inch wide light weight steel tape, will give good service. Though small and convenient to carry anywhere, it is long enough to take usual measurements. It is about one-half the size and weight of the 3/8 inch wide "Reliable" and embodies its improved features.

Case is of cordovan-brown genuine leather, hand-stitched, with brass plated steel liner and nickel plated trimmings. Double-folding flush winding handle is opened by pressing on opposite side, and has extension finger

hold. Measurements guaranteed accurate.

ROSE TOOLS, INC.

WITH LIGHT WEIGHT, ONE-QUARTER INCH TAPES

No	101	103	104	105	106
Length, feet	33	50	66	75	100
Weight each, ozs	\$5.65	\$7.70	\$9.70	\$11.10	\$13.40
Marked feet, 10ths	and 100th	as of feet,	one side o	nly	
No	101D	103D	104D	105D	106D
Length, feet	33	50	66	75	100
Weight each, ozs	6	7	9	10	12
Price, each\$5.10	\$5.65	\$7.70	\$9.70	\$11.10	\$13.40
Marked n	netric only,	one side	only		
(First decimetre	in mm., bal	ance of leng	th in cm.)		
No. 1001/M	101M	103M	104M	105 1/2 M	106M
Length, metres	10	15	20	25	30
resignt each, oza	6	7	9	11	12
Price, each \$4.80	\$5.65	\$7.70	\$9.70	\$11.60	\$13.40

Marked metric and English

One side metric (first decimetre in mm., balance of length in cm.)

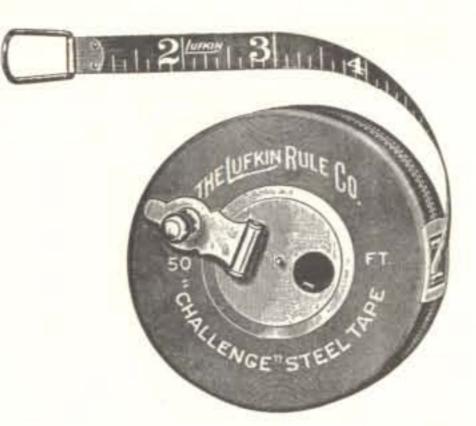
No sansass	cutte sine	English (lee	t, inches	and loths of	inches!		
No 100 14 ME	autitor.	101ME	103ME	104ME		105 14 ME	106ME
No. Lgth., metres. 5		101EM	103EM	104EM	105EM		106EM
Lenuth f.	734	10	15	20	22	25	30
Wt. sach on	25	33	50	66	75	82	100
Price, each \$5.10	5	6	7	9	10	11	12
(ME tane	\$5.60	\$6.30	\$8.70	\$11.00	\$12.60	\$13.25	\$15.40
(EM taper	are asset	nbled in case	with me	etric on front	. English	on back)	

Packing: One in a box

THE

UFKIN

RULE



"CHALLENGE" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

ROSE TOOLS, INC.

FOR YEARS THIS HAS BEEN THE MOST WIDELY USED GENERAL PURPOSE STEEL TAPE

Particularly recommended for all kinds of general measuring; has long been especially popular in construction and similar work. Even where subject to continuous and hard use the "Challenge" gives satisfactory service.

Line of highest grade tape steel with distinct markings. Case of selected genuine russet leather, hand-stitched, and with substantial plated steel liner. Folding flush handle is opened by pressing pin on opposite side. Trimmings nickel plated. Measurements guaranteed accurate.

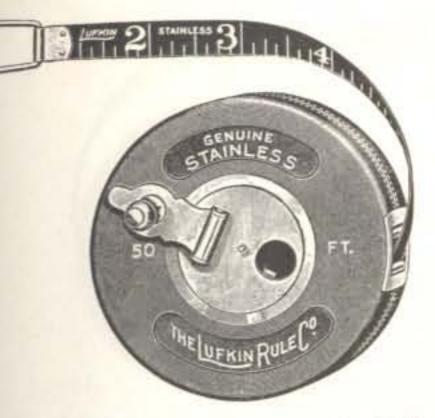
WITH THREE-EIGHTHS INCH TAPES

		1 0.7	t to be	one side	only	
Marked fe	et, inches		or inches	, one side	266	267
No 260	261	263	264	265		150
TAGE	33	50	66	75	100	31
Protest and acce.	9	1.1	14	17	21	
Weight each, ozs. 8	\$5.30	\$6.00	\$7.50	\$7.80	\$10.20	\$17.00
Price, each \$4.90			20,00	2.027	127	
Marked (cet. 10ths	and 100th	he of feet	one side o	nly	
		263D	264D	265D	266D	267D
No 260D	261D	50	66	75	100	150
Length, feet 25	33	11	14	17	21	31
Weight each, ozs. 8	9		\$7.50	\$7.80	\$10.20	\$17.00
Price, each \$4.90	\$5.30	\$6.00	\$1.50	47.00	4.141.0	
	Marked m	stale only	one side	only		
(Free	Marked m	n mm. ba	lance of le	ngth in cm.)		
		263M	264M	265 14 M	266M	267M
No	261M	15	20	25	30	50
Length, metres 5	10	13	14	18	20	34
Weight each, ozs.	9	46.00	\$7.50	\$8.50	\$10.20	\$18.00
Price, each \$4.30	\$5.30	\$6.00	\$7.50	30.30		
		Y sale	and Fault	ah.		
One side met	and the second s	There is the later of the later.	and Engli	ACM OF LABOURED	in em.)	
One side met	side English	(feet, inch	es and 8th			V2.5.2.2.2.2
No 260 1/2 ME .	261MI	263ME	264ME	265	ME ZOOME	267ME
No 260 % ME .	EM 261E	4 263EM	264EM 2	265EM .	266EM	4
4 100		15	20	22	25 30	50
Length, metres 5			66	75	82 100	164
Length feet 15	25 3		14	17	18 20	34
W/a -a-a-b ava	0	11		\$9.30 \$1	0.15 \$12.20	\$21.00
Price each \$4.60 \$2	.40 \$6.00	\$7.00	\$8.80	front Englis	sh on back)	
Price, each\$4.60 \$5 (ME tapes are a (EM tapes are	sasembled in	case with	English o	n front, metr	ic on back)	
(EM tapes are	assembled it	Case Title				

Packing: One in a box

NOTE-"Challenge" tapes marked feet, inches and 16ths, price, 5% extra.

For % inch wide "Challenge" tapes, see page 13.



STAINLESS STEEL TAPES

("Challenge" Pattern)

RUST PROOF

NON-CORROSIVE

S-260 S-263 S-265

STAINLESS TAPES ARE IDEAL FOR USE WHEREVER CONDITIONS COMMONLY CAUSING RUST OR CORROSION ARE PRESENT

The lines in these tapes are of standard weight and of Genuine Stainless Steel, rust proof and non-corrosive. This material also is of suitable temper for tapes, in that respect closely approaching ordinary tape steel. Our Stainless Steel Tapes hold their shape well, far better than lines made of other rust proof materials such as phosphor bronze and monel metal. The tapes below have **Snstanlaneous** Readings, and "Nubian" Finish, aids to accurate and quick reading.

The cases are of selected genuine leather, hand-stitched, and with substantial plated steel liners. Folding flush handle is opened by pressing pin on opposite side. Trimmings nickel plated. Measurements guaranteed accurate.

WITH THREE-EIGHTHS INCH STAINLESS TAPES

Marked feet, inches and 8ths of inches, one side only

Length, feet	25 \$6.65	\$10.00	75 \$12.90	100 \$15.00
Marked feet, 10ths and 100ths	of feet,	one side of	nly	
No. Length, feet Price, each	S-260D 25 \$6.65	S-263D 50 \$10.00	S-265D 75 \$12.90	S-266D 100 \$15.00

WITH ONE-HALF INCH STAINLESS TAPES

Marked feet, inches and 8ths of inches, one side only

S-360 S-363

Price, each		MED	522		\$7.50	\$11.25	\$15.50	\$20.00
	Marked fee	t, 10ths	and	100ths		one side or	nly	
No					S-360D	S-363D	S-365D	S-366D

NOTE:—We can supply 36" and 32" wide Stainless Steel Tapes also in "Reliable" pattern leather cases, and in metal arm frames, and the 36" tape in "Rival" pattern metal case.

Packing: One in a box

5-366

\$15.50

\$11.25

THE UFKIN

RULE



"CHALLENGE" STEEL TAPES (HALF-INCH WIDE)

Instantaneous Readings.

"Nubian" Finish.

ROSE TOOLS, INC.

EXTRA DURABLE, THEREFORE POPULAR FOR HEAVY DUTY, AS HIGHWAY WORK, AND AROUND MILLS, ETC.

Same as the 3/8 inch "Challenge" on page 12, but with line 1/2 inch wide. This extra width makes the tape somewhat sturdier. These 1/2 inch tapes are suitable for practically any work to which 3/8 inch "Challenge" tapes are

Line of highest grade tape steel, distinctly marked. Case of selected genuine russet leather, hand-stitched, and with substantial plated steel liner. Folding flush handle is opened by pressing pin on opposite side. Trimmings nickel plated. Measurements guaranteed accurate.

WITH ONE-HALF INCH TAPES

No	feet, inches 361 33 11 \$6.00	and 8ths 363 50 14 \$6.75	of inches, 364 66 17 \$8.30	365 75 21 \$9.00	366 100 25 \$11.25	367 150 38 \$19.00
Marked	feet, 10ths	and 100t	hs of feet,	one side	only	
No	361D 33 11 \$6.00	363D 50 14 \$6.75	364D 66 17 \$8.30	365D 75 21 \$9.00	366D 100 25 \$11.25	367D 150 38 \$19.00
450	Marked n	netric only	, one side	only		
No 360 ½ M Length, metres	361M 10 11 \$6.00	363M 15 14 \$6.75	364M 20 17 \$8.30	365 1/2 M 25 22 \$10.00	366M 30 25 \$11.25	367M 50 41 \$21.00

Marked metric and English

One side metric (first decimetre in mm., balance of length in cm.)

One side English (feet, inches and 8ths of inches)

No360	4ME	One sid	361ME	363ME	364ME		365 1/2 ME	366ME	367ME
No	A series	360EM	361EM	363EM	364EM	365EM	0.0.0.0	SOOFW	
Length, metres	5	7 34	10	15	20	22	25	30	164
Length, feet	15	25	33	50	66	75	82	100	41
Wt. each, ozs Price, each\$	5 00	46.10	46.70	47 75	49 60	\$10.50	\$11.65	\$13.25	\$24.50
									100,100,000
(EM	tapes	are asso	mbled in	case wit	h English	h on front	metric on	back)	

Packing: One in a box



"CHALLENGE JUNIOR" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

A LONG STEEL TAPE, YET OF SIZE AND WEIGHT NOT INCONVENIENT OR BURDENSOME TO CARRY ANYWHERE

A counterpart of the "Challenge", but about one-half its size and weight. At the same time this "Junior" pattern is well built and with reasonable care will give years of good service.

Line of highest grade tape steel, distinctly marked. Case of selected genuine russet leather, hand-stitched, with plated steel liner. Folding flush handle is opened by pressing pin on opposite side. Trimmings nickel plated. Measurements guaranteed accurate.

WITH LIGHT WEIGHT, ONE-QUARTER INCH TAPES

Marked feet, inches a	nd 16ths	of inches, o	ne side o	nly	
No	1261	1263	1264	1265	126
Length, feet 25	33	50	66	75	100
Weight each, ozs 4	5	7	8	9	1.
Price, each\$4.70	\$5.00	\$5.70	\$7.10	\$7.50	\$9.60
Marked feet, 10ths a	and 100ths	of feet, on	e side on	ly	
No	1261D	1263D	1264D	1265D	12661
Length, feet	33	50	66	75	100
Weight each, ozs 4	5	7	8	9	1.7
Price, each\$4.70	\$5.00	\$5.70	\$7.10	\$7.50	\$9.6
	A STATE OF THE PARTY OF THE PAR	one side onl	-		
(First decimetre in				Y BEREZONEN	10000
No1260 ¼ M	1261M	1263M	1264M	1265 1/4 M	1266N
Length, metres 5	10	15	20	25	3
Weight each, ozs	5	7	8	10	1.
Price, each\$4.40	\$5.00	\$5.70	\$7.10	\$8.20	\$9.6
	metric an				
One side metric (first deci				cm.)	
1260 % ME 1260 % ME 126		ME 1264ME		1265 1/4 ME	1266MI
1260EM 126		M 1264EM		1	1266EN
bength, metres . 5 714		15 20			3
Length, feet. 15 25	2022	50 66		1/200	10
Wright each, ors. 3	the same of the sa	7 8			1
Price, each \$4.70 \$5.20 \$5 (ME tapes are assembled in a (EM tapes are assembled in a	.60 \$6.2	70 \$8.40	\$9.00	\$9.80	\$11.6

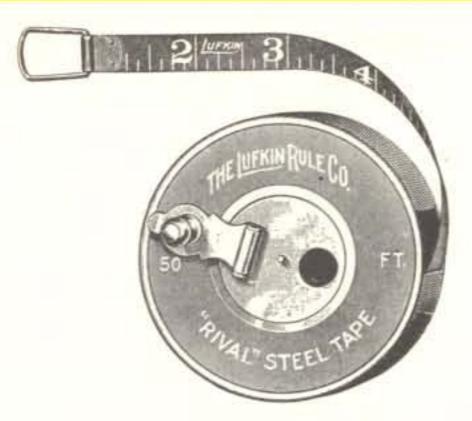
Packing: One in a box

13

THE UFKIN

RULE





"RIVAL" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

A GENERAL PURPOSE STEEL TAPE IN METAL CASE

Some people prefer a metal to a leather case, and for certain classes of work it is best. We recommend the "Rival" for use around steel and tube mills, or wherever a tape case comes much in contact with oil, grease or grit.

Line of highest grade tape steel, distinctly marked. Case of steel, nickel plated, and with knurled edge, which affords a firm grip. Folding flush handle is opened by pressing pin on opposite side. Measurements guaranteed accurate.

WITH THREE-EIGHTHS INCH TAPES

No	241 33 9 \$4.80	243 50 11 \$5.40	244 66 14 \$6.85	245 75 15 \$7.20	246 100 20 \$9.25
No	241D 33 9 \$4.80	of feet, on 243D 50 11 \$5.40	244D 66 14 \$6.85	245D 75 15 \$7.20	246D 100 20 \$9.25
No	241M 10 9 \$4.80	243M 15 11 \$5 40	244M 20 14 \$6.85	245 ½ M 25 16 \$7 90	246M 30 20 \$9.25
One side metric (first dec	d metric an imetre in mr (feet, inches 1ME 243M	and 8ths of		cm.) 245 ½ ME	246ME

8

7 1/4

25

No. 240EM 241EM 243EM 244EM 245EM

10

33

0

No. 240 1/4 ME

241ME 243ME 244ME

15

50

11

Packing: One in a box



"RIVAL JUNIOR" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

A COMPACT, LIGHT WEIGHT LONG STEEL TAPE, CONVENIENT TO CARRY IN THE POCKET ANYWHERE

The "Rival Junior" is a miniature "Rival" tape. It has an exceptionally neat appearance, and, while small, is of good construction and with reasonable care holds up well.

Line of highest grade tape steel, distinctly marked. Case of steel, nickel plated, and with knurled edge, affording good grip. Folding flush handle is opened by pressing pin on opposite side. Measurements guaranteed accurate.

ROSE TOOLS, INC.

246EM

\$11.25

75

15

66

14

100

20

WITH LIGHT WEIGHT, ONE-QUARTER INCH TAPES

No	1241	1243	1244	1245	1246
Length, feet	33	50	66	75	100
Weight each, oze 4	5	7	8	9	1.2
Price, each\$4.20	\$4.60	\$5.15	\$6.50	\$6.85	\$8.75
Marked feet, 10ths a	nd 100ths	of feet, on	e side only	,	
No	1241D	1243D	1244D	1245D	1246D
Length, feet	33	50	66	75	100
Weight each, ozs	5	7	8	9	1.2
Price, each\$4.20	\$4.60	\$5.15	\$6.50	\$6.85	\$8.75
Marked me	tric only, o	ne side on	ly		
(First decimetre in	mm., balan	ce of length	in cm.)		
No	1241M	1243M	1244M	1245 1/4 M	1246M
Length, metres	10	15	20	25	30
Weight each, ozs	5	7	8	10	1.2
Price, each	\$4.60	\$5.15	\$6.50	\$7.60	\$8.75
Marked One side metric (first deci	metric an	The second secon			

Packing: One in a box

33

5

Price, each. . . . \$4.30 \$5.10 \$5.25 \$6.15 \$7.80 \$9.00 \$9.25 (ME tapes are assembled in case with metric on front, English on back) (EM tapes are assembled in case with English on front, metric on back)

.7

8

No. 1240EM 1241EM 1243EM 1244EM 1245EM

4

Length, metres. . 5 71/2

Length, feet 15

Weight each, oze, 3

30

100

\$10.75

25



"BANNER" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

THE "BANNER" AFFORDS AT A MOST MODERATE PRICE THE ACCURACY OBTAINABLE ONLY IN A STEEL TAPE

This is by far the best of all popular priced steel tapes on the market. It is popularizing steel tapes with many who have previously used only woven lines. It meets a widespread demand.

Line of highest quality tape steel, distinctly marked. Case of mottled black imitation leather, a material of extraordinary durability and of good appearance. It is hand-stitched, has plated steel liner, and its trimmings are nickel plated. Folding flush handle is opened by pressing pin on opposite side. Measurements guaranteed accurate.

WITH THREE-EIGHTHS INCH TAPES

Marked feet, inches	and 8ths	of inches, one si	de only	
No	550	553	555	556
Length, feet	25	50	75	100
Weight each, ozs	7	11	17	19
Price, each		\$5.25	\$6.85	\$8.75

Marke (First decime	d me	tric only, or	ne side onl	y in cm.)		
No	4M	551M	553M	554M	555 1/4 M	556M
Length, metres	5	10	15	20	25	30
Weight each, ozs	6	8	11	14	18	- 19
Price, each\$3	.85	\$4.70	\$5.25	\$6.40	\$7.60	\$8.75

	Marked met ric (first decimetr side English (feet,	e in mm., be	alance of length	
EEO 1/ ME	188	EESME		FFE1

No550	1/4 ME		551ME	553ME	554ME	5	55 1/2 ME	556ME
No		550EM	551EM	553EM	554EM	555EM		556EN
Length, metres	5	7 16	10	15	20	22	25	30
Length, feet	15	25	33	50	66	75	82	100
Weight each, ozs.	6	7	8	11	14	17	18	19
Price, each		\$4.70	\$5.40	\$6.25	\$7.70	\$8.35	\$9.25	\$10.75
(ME ta	pes are pes are	assembled	in case	with metric with English	on front,	English or	n back)	

Packing: One in a box

Note-"Banner" tapes are furnished marked feet, 10ths and 100ths of feet when so ordered.





IMPROVED "UNIVERSAL" STEEL TAPES

Instantaneous Readings

"Nubian" Finish

ROSE TOOLS, INC.

A Steel Tape so low in price that no carpenter or other mechanic can afford to be without it. The "Universal" gives the accuracy obtainable only in a steel tape, and sells at a popular price.

A 3% inch wide, standard weight, steel tape, clearly marked. The metal-lined case is covered with mottled, tan-colored imitation leather, a good looking and extra durable material, and has a 3/16 inch wide, flat flush, nickel plated edge band. Folding flush handle opened by pressing pin on opposite side. All trimmings are nickel plated

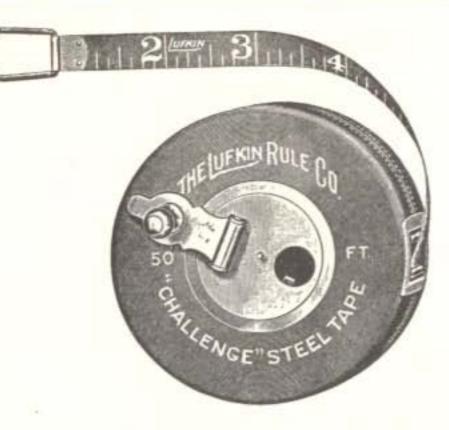
WITH THREE-EIGHTHS INCH STEEL TAPES

Marked Feet, Inches, and 8ths of Inches, One Side Only

No.	540	543	545	546
Length, feet	25	50	75	100
Weight each, ozn	6	10	15	17
Price, each	\$2.60	\$2.90	\$4.00	\$5.00

Packing: One in a box

NOTE:-Stock numbers are changed from No. 560 to No. 540 Series.



"CHALLENGE" STEEL TAPES WITH DIAMETER MEASUREMENT

Instantaneous Readings.

"Nubian" Finish.

CONVENIENT FOR DETERMINING THE DIAMETER OF PULLEYS, SHAFTING, PIPING, COLUMNS, TANKS, ETC.

Standard pattern "Challenge" tapes but with diameter marking. Line marked one side feet, inches and 8ths of inches, other side diameter equivalents of circumferences in diameter feet and inches, with extra diameter inch first end subdivided to 64ths. With this tape one can read directly not only the circumference of any cylindrical body, but its diameter down to 64ths of ROSE TOOLS, INC. an inch, by applying tape to circumference.

Highest grade tape steel, distinctly marked. Blank space first end. Case of selected genuine russet leather with plated steel liner Nickel plated trimmings. Folding flush handle opened by pressing pin on opposite side. Meas-

urements guaranteed accurate.

WITH THREE-EIGHTHS INCH TAPES

No. 261P	Length 33 feet.	Weight each, 9 or Weight each, 11 or	a. Each.	 	\$7.00
N- 263P	Length 50 feet.	Weight each, 11 of	S. Labour.	 *	

"CHALLENGE" STEEL TAPES IN CONSECUTIVE INCHES

"Nubian" Finish

FOR ANY WORK REQUIRING LONG MEASUREMENTS EXPRESSED IN INCHES

Standard pattern "Challenge" tapes but with inches numbered consecutively, i. e., 25 foot tape has inches numbered 1 to 300, 50 foot tape 1 to 600. High grade steel line, distinctly marked. Case of selected genuine russel leather with plated metal liner, and nickel plated trimmings. Folding flush handle opened by pressing pin on opposite side. Measurements guaranteed accurate.

WITH THREE-EIGHTHS INCH TAPES

Marked one side only, consecutive inches to eighths of inches No. 260C Length 300 inches (25 ft.) Weight each, 8 ozs. Each.
No. 263C Length 600 inches (50 ft.) Weight each, 11 ozs. Each. (Tapes can be furnished marked one side consecutive inches to 8ths, other side feet, inches and 8ths.)

Packing: All packed one in a box



"CHALLENGE" TREE TAPES

Instantaneous Readings.

"Nubian" Finish.

GIVE AT A DIRECT READING THE DIAMETER AS WELL AS THE CIRCUMFERENCE OF THE TREE

This steel tape is used by the United States Forest Service, as well as by private foresters, and in ranger schools, etc. The line is marked one side regular feet, 10ths and 100ths of feet, other side diameter equivalents of circumferences in diameter feet, inches and 10ths of inches. Blank space first end. It is equipped for fastening to the tree with spike or peg, which folds down for convenience in carrying Highest grade tape steel, distinctly marked. Case of selected genuine russet leather with plated steel liner Folding flush handle opened by pressing pin on opposite side.

WITH THREE-EIGHTHS INCH TAPES

No. 261TP Length, 33 feet. Weight each, 10 ozs. Each .\$ 9.00 No. 263TP Length, 50 feet. Weight each, 12 ozs Each 11.25



"ARTISAN" TREE TAPE

"Nubian" Finish

A FORESTER'S TAPE OF MEDIUM LENGTH IN METAL CASE

This item is also standard equipment of United States foresters. The steel line is marked on the front 20 feet in feet, 10ths and 100ths of feet, on the back in diameter equivalents of circumferences in consecutive diameter inches and 10ths of inches up to 76 inches. Blank space first end. Tape is fitted with a pointed metal hook for catching bark of trees. Put up in nickel plated steel case with knurled edge, affording a firm grip. Hole in edge of case into which point of hook fits for protection in carrying. Folding flush handle is opened by pressing pin on opposite side. No. 120TP Length, 20 feet. Width, 3/8 inch. Weight each, 6 ozs. Each.... \$4.50

Packing: All packed one in a box

NOTE-For Biltmore or Forest Cruiser Sticks, see Section Seven.

THE

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ENGINEERS PATTERN STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

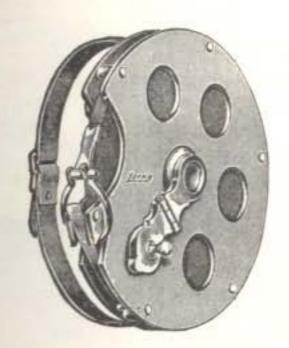
A STURDY TAPE AND CASE DESIGNED FOR ENGINEERING, SURVEYING AND OTHER HEAVY WORK

A quarter-inch tape, 50 per cent heavier than standard 3/8 inch lines, and put up in steel lined leather case. It is the width and weight best for heavy work. For carrying, a case tape is by many preferred to a frame tape. The line, of highest grade tape steel, is distinctly marked, with measurements beginning at end. It is readily removed from case and is supplied with a pair of detachable rings. The case is narrow, of selected genuine russet leather, hand-stitched, with substantial plated steel liner. Folding flush handle is opened by pressing pin on opposite side. Measurements guaranteed accurate.

WITH STANDARD, ONE-QUARTER INCH ENGINEERS TAPES

Marked feet, inches and 8th	s of inches	, one side o	nly	
No	233 50 17 \$8.75	234 66 21 \$11.30	235 75 22 \$12.50	236 100 25 \$15.60
Price, each\$7.50	\$0.77	\$11.20	912.50	
Marked feet, 10ths and 100	ths of feet	, one side o	nly	DESTAL
No. 231D Length, feet 33 Weight each, ozs. 13 Price, each \$7.50	233D 60 17 \$8.75	234D 66 21 \$11.30	235D 75 22 \$12.50	236D 100 25 \$15.60
Marked metric on	ly, one side	only		20
(First decimetre in mm., b		ngth in cm.) 234M	235 1/2 M	236M
No	233M 15	20	25	30
Weight each, ozs	17	21	23	25
Price, each\$7.50	\$8.75	\$11,30	\$13.20	\$15.60
Marked metric	and Engli	sh		
One side metric (first declmetre in	mm., balan	ce of length	in cm.)	
No. One side English (feet, inc. 231ME 233ME	234ME	is of inches;	235 1/2 ME	236ME
No	234EM	235EM		236EM
Length, metres 10 15	20	22	25	100
Length, feet	66	75	82	25
Weight each, ozs 13	21	22	23	\$17.60
Price, each\$8.20 \$9.75 (ME tapes are assembled in case with (EM tapes are assembled in case with	\$12.60 h metric on h English or	\$14.00 front, English front, metri	\$14.85 h on back) c on back)	211
Packing: C	ne in a box	c		

NOTE-For Engineers Pattern Tapes in frames, see page 22.



"WOLVERINE" STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

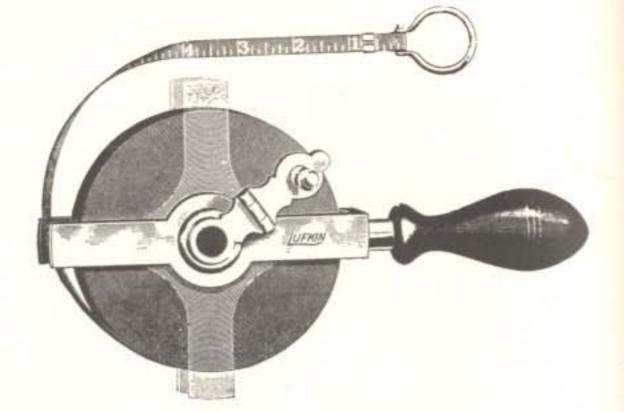
POPULAR ABOUT MINES AND OTHER PLACES REQUIRING ACCURACY UNDER SEVERE CONDITIONS OF USE

An Engineers Pattern heavy line on perforated metal disk reel. While somewhat more compact than a frame, this reel also allows for dirt accumulation and for its drying out.

The line, of highest grade tape steel, distinctly marked, is engineers style, i. e., measures from end of tape, is detachable from reel and supplied with two rings. The metal reel is in dull finish, strong, and of good appearance. It has folding winding handle and adjustable strap handle, which affords a ROSE TOOLS, INC. hold. Measurements guaranteed accurate

WITH STANDARD, ONE-QUARTER INCH ENGINEERS TAPES

Marked feet, inches and 8	the of inche	es, one side o	nly	
No	1374 66 23 \$13.50	1375 75 25 \$15.00	1376 100 30 \$19.00	1377 150 47 \$28.00
Marked feet, 10ths and 10	00ths of fee	t. one side o	nlv	
No	1374D 66 23 \$13.50	1375D 75 25 \$15.00	1376D 100 30 \$19.00	1377D 150 47 \$28.00
Marked metric o	nly, one sid	le only		
(First decimates in man	balance of 1	length in cm.)		
No	1374M 20 23 \$13.50	1375 1/2 M 25 27 \$15.75	1376M 30 30 \$19.00	1377M 50 50 \$30.00
One old Marked metr	ic and Engl	ich		
No. One side English (feet, in	In man bala	F 1	n cm.)	
No	1375EM 22 75 25 \$16.60	1375 ½ ME 25 82 27 \$17.25	1376ME 1376EM 30 100 30 \$21.00 on back) on back)	1377ME 50 164 50 \$33.00



ENGINEERS PATTERN FRAME STEEL TAPES

With Folding Winding Handle

Instantaneous Readings.

"Nubian" Finish.

AN ENGINEERS STRONG TAPE AND FRAME, SERVICEABLE EVEN UNDER SEVERE CONDITIONS

Our Engineers Pattern heavy tape on open metal frame. Frames take care of dirt or other accumulation better than enclosed cases, they also give a firm hold and extra winding leverage.

Line of highest grade tape steel, distinctly marked. Readily removed from frame and supplied with a pair of detachable rings. Substantial metal frame, heavily nickel plated, with polished hardwood handle. Measurements guaranteed accurate.

WITH STANDARD, ONE-QUARTER INCH ENGINEERS TAPES

No. Length, feet Weight each, ozs. Price, each	Marked feet, 271 33 17 \$6.70	50 19 \$8.35	66 21 \$9.85	75 23 \$11.90	100 31 \$14.20	150 36 \$21.50	278 200 42 \$27.80
No. Length, feet Weight each, ozs. Price, each	Marked feet, 271D 33 17 . \$6.70	10ths and 273D 50 19 \$8.35	100ths 274D 66 21 \$9.85	of feet, o 275D 75 23 \$11.90	ne side only 276D 100 31 \$14.20	277D 150 36 \$21.50	278D 200 42 \$27.80
No. Length, metres. Weight each, ozs. Price, each	(First deci	M 27.	3M 15 19 35	274M 20 21 \$9.85	275 1/2 M 25 25 25 \$12.60	276M 30 31 \$14.20	277M 50 38 \$23.50

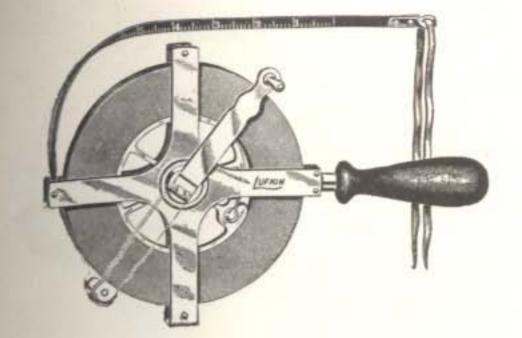
One side metric (first decimetre in min., balance of inches)

No	33 50	274ME 274EM 2 20 66 21 \$11.25	75EM 22 75 23 \$13.45	25 82 25 \$14.60	276ME 276EM 30 100 31 \$16.30 English on metric on	50 164 38 \$26.50 back)	278FM 60 200 41 \$32.60
----	-------	-----------------------------------------------	-----------------------------------	---------------------------	-------------------------------------------------------------------------	-------------------------------------	-------------------------------------

Packing: One in a box

NOTE-Above tapes 100 feet long and over are put up on four-arm frames, tapes under 100 feet on two-arm frames.

For above tapes on lock handle frames, see page 25 tapes in leather cases, see page 20



TAPE "WESTERN"

Instantaneous Readings "Nubian" Finish

AN EXTRA HEAVY ENGINEERING TAPE, GRADUATED ENTIRE LENGTH TO 10THS AND 100THS OF FEET

This is a heavy duty tape for engineering and construction work, where extra durability and accuracy are desired.

The LINE is 60% heavier than our standard weight Engineers ROSE TOOLS, INC. Pattern Tapes; is graduated to feet, 10ths and 100ths of feet entire length and guaranteed accurate. Each end is fitted with heavy nickel plated brass clip (eye), and has blank space. Line is easily removed from frame. Pair of leather thongs furnished with each tape.

> The FRAME is substantial, four-arm pattern, of metal, nickel plated and has polished hardwood handle. It has LOCK WINDING HANDLE, which, turned over, engages the frame and holds the tape at any desired point. The long winding handle and knob and 4-inch drum shell give good grip, leverage and speed in winding.

WITH HEAVY ONE-QUARTER INCH STEEL TAPE Marked Feet, 10ths, and 100ths of Feet, One Side Only

No. 1276D Heavy. Tape complete. With Lock Handle Frame. Length, 100 feet. Weight, each, 31/2 lbs. Each. \$20.00

No. 01276D Heavy. Line only. Without Frame, with Thongs. Length, 100 feet. Weight, each, 11/2 lbs. Each..\$13.60

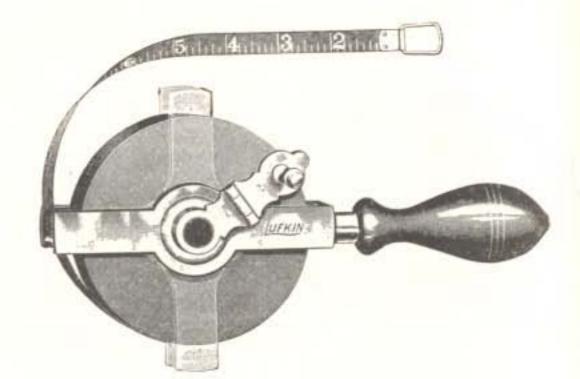
Packing: One in a box.

Note-Above tapes can be furnished graduated feet, inches and 8ths, at same prices. Specify as "No. 1276 Heavy".

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FRAME STEEL TAPES

With Folding Winding Handle

Instantaneous Readings.

"Nubian" Finish.

FOR GENERAL MEASURING.

FRAME TAPES ARE KEPT IN CONDITION WITH THE MINIMUM OF ATTENTION.

This is a standard width and weight steel tape, such as the "Challenge" 3/8 inch, but on metal frame. It is a favorite in the oil fields and many places in general work. Frames take care of reasonable amount of dirt accumulation and afford the line a chance to dry. They also give extra winding leverage and a firm hold.

Line of highest grade tape steel, distinctly marked. Substantial metal frame heavily nickel plated and with polished hardwood handle. Measurements guaranteed accurate.

WITH THREE-EIGHTHS INCH TAPES

Marked feet, No	281 33 17	283 50 18	284 66 21	285 75 23	286		288 200 41 \$25.00
Marked feet, No	281D 33	283D 50 18	284D 66 21	75 23	100	150	288D 200 41 \$25.00
No	imetre i 1 M 10 17	283M 15 18 \$7.15	y, one sidence of 284M 20 21 \$8.20	285	25 24 0.50	286M 30 27 \$12.25	287M 50 38 \$21.50
One side metric	Marke	d metric cimetre in (feet, inc	mm., bal	ance of l		om.)	

No. No. Length, metres	.281ME 2 .281EM . 10	283ME 283EM 15	284ME			286ML	287ME 50 164	288EM 60 200 41
Weight each, ozs. Price, each	\$6.30		\$9.60	\$11.40 sith metric	24	27 \$14.40 English on	back)	00 00

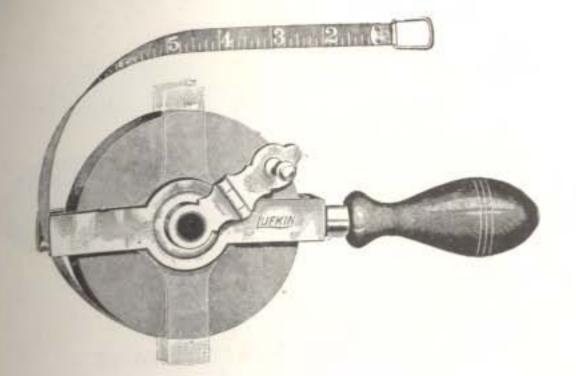
Packing: One in a box

NOTE-Above tapes over 100 feet long are on four-arm frames, shorter lengths on two-arm frames.

For above tapes fitted with plumb bob for oil gauging, see page 27.

For above tapes on lock handle frames, see page 25.

STAINLESS STEEL-At an extra price we can furnish the above tapes in Stainless Steel.



FRAME STEEL TAPES (EXTRA WIDE)

With Folding Winding Handle

Instantaneous Readings.

"Nubian" Finish.

THE EXTRA WIDTH GIVES GREATER DURABILITY. FRAME CONSTRUCTION WILL NOT READILY CLOG WITH DIRT.

A popular tape for heavy general measuring work. It affords good winding leverage and firm grip. Frame tapes not only take care of reasonable accumulation of dirt, etc., and give it a change to dry out, but can be reeled up and put directly into oil.

Line of highest grade tape steel, distinctly marked. The metal frame is ROSE TOOLS, INC. Measurements guaranteed accurate.

WITH ONE-HALF INCH TAPES

Marked feet	inches	and Stl	s of inc	hes, one	side only	7	
No 290	291	293	294	295	296	297	298
Laurel fact 25	33	50	66	75	100	150	200
Length, feet 25	19	22	25	2.7	31	42	51
Weight each, ozs 17	The state of the s	\$8.35	\$9.85	\$11.90	\$14.20	\$21.50	\$27.80
Price, each\$5.60	40.10	40.00	47103	***	********	AND STREET	140.000
Marked fee	t, 10ths	and 10	Oths of fe	eet, one s	ide only	1940000	200.00
No290D	291D	293D	294D	295D	296D	297D	298D
Length, feet 25	33	50	66	75	100	150	200
Weight each, ozs 17	19	22	25	27	31	42	51
Price, each \$5.60	\$6.70	\$8.35	\$9.85	\$11.90	\$14.20	\$21.50	\$27.80
County and Market Street, 17 and 17 a	44.00	40150	-	4.44	20000	2000	90 9111111
M	arked n	netric on	ly, one s	ide only			
(First de	ecimetre	in mm., I	palance of	length in	cm.)		
No	91M	293M	294N	295	6 M	296M	297M
Length, metres	10	15	20)	25	30	50
Weight each, oza	19	22	25		29	31	45
Price, each	6.70	\$8.35	\$9.85	\$12	.60	\$14.20	\$23.50
The state of the s	Mark	ed metri	c and En	glish			
One side metric	(first de	scimetre i	n mm., ba	lance of le	ngth in cr	n.)	
No	e English	(feet, in	ches and	Sths of inc	POCME	297ME	
No	SOUTH	294ME		295 ½ ME			298EM
		294EM	295EM		296EM		
	15	20	22	25	30	50	60
Weight each, ozs 19	50	66	75	82	100	164	200
Price each, ozs 19	22	25	27	29	31	45	51
Price, each\$7.35 \$	9.35	\$11.25	\$13.50	\$14.60	\$16.30	\$26.50	\$32.60
(ME tapes are asse	mbled in	frame wi	th metric	on front,	English or	back)	
(EM tapes are asse	moted in	Ifame wi	th English	on front.	metric or	Dack	

Packing: One in a box

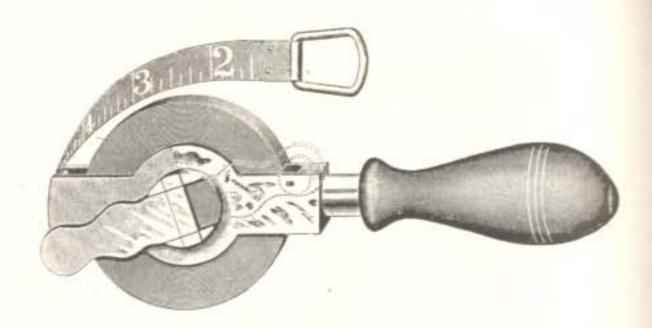
NOTE-Above tapes over 100 feet long are on four-arm frames, shorter lengths on two-arm frames.

For above tapes fitted with plumb bob for oil gauging, see page 27.
For above tapes on lock handle frames, see page 25

STAINLESS STEEL-At an extra price we can furnish the above tapes in Stainless Steel.

THE UFKIN

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LOCK HANDLE FRAME STEEL TAPES

Instantaneous Readings.

"Nubian" Finish.

THE ADVANTAGES OF A FRAME TAPE COMBINED WITH THAT OF THE LOCK HANDLE

These tapes and frames are, except in the winding apparatus, same as engineers and standard pattern frame tapes previously listed. The one-piece winding handle can be turned completely over, thus engaging the frame and holding or locking the tape at any desired point. This handle with its larger knob and greater length affords good grip and extra leverage.

Line of highest grade tape steel, distinctly marked. Substantial metal frame heavily nickel plated, and with polished hardwood handle. Measurements guaranteed accurate

WITH STANDARD, ONE-QUARTER INCH ENGINEERS PATTERN TAPES

(With Detachable Rings) Marked one side only

C. I. I. Lot W. 1991				255000
Feet, inches and 8ths No 1271	1273	1274	1275	1276
Feet, 10ths and 100ths No 1271D	1273D	1274D	1275D	1276D
Length, feet 33	50	66	75	100
Weight each, ozs. 18	20	22	24	32
Price, each	\$8.35	\$9.85	\$11.90	\$14.20

WITH THREE-EIGHTHS INCH TAPES

Marked one side only

Feet, inches and 8ths No 1281 Feet, 10ths and 100ths No 1281D	1283 1283D	1284 1284D	1285 1285D	1286 1286D
Length, feet 33	50	66	75	100
Weight each, ozs	20	22	24	32
Price, each\$5.60	\$7.15	\$8.20	\$9.85	\$12.25

WITH ONE-HALF INCH TAPES

Marked one side only

Feet, inches and 8ths No 1291 Feet, 10ths and 100ths No 1291D	1293 1293D	1294 1294D	1295 1295D	1296 1296D
Length, feet	50	66	75	100
Weight each, ozs 20	23	26	28	36
Price, each\$6.70	\$8.35	\$9.85	\$11.90	\$14.20

Packing: All packed one in a box

NOTE—All above tapes are furnished with two-arm frame, except Nos. 1276 and 1276D, which have four-arm frame.

Lock handle tapes marked metric and English take same price as 271ME series, page 22; 281ME series, page 23; and 291ME series, page 24, respectively; marked metric only, price same as marked feet and inches.

For lock handle tapes with plumb bob for oil gauging see page 28.

STAINLESS STEEL—At an extra price we can furnish the 3/8" and

1/2" tapes in Stainless Steel,



"ATLAS" OIL GAUGERS HEAVY STEEL TAPES

With Plumb Bob-With Lock Handle

EXTRA HEAVY LOCK HANDLE FRAME TAPE WITH No. 590, 20 OZ. PLUMB BOB

DESIGNED EXCLUSIVELY FOR TANK GAUGING
This tape is well balanced, and the most practical and durable

ROSE TOOLS, INC. One-half inch wide steel line, 50 per cent heavier than standard inch measuring tapes, and distinctly marked. Measurements guaranteed accurate.

Sturdy metal case-hardened frame, built to withstand severe usage, with polished hardwood handle and with solid brass bob. It has lock handle, which, turned over, engages the frame and holds or locks the tape at any point. Long winding handle and knob, and extra size drum shell give good grip, leverage, and speed in winding.

The solid brass bob is round, with tapered point, is 634 inches long and I inch in diameter. Weighing 20 ozs., it will penetrate the heavier oils. It is included in measurement of tape and can be detached.

WITH HEAVY, ONE-HALF INCH TAPES

STANDARD PATTERN

No. 12915	With 590 Plumb	inches and 8ths of inches, one side only	
No. 1293S	Length 33 feet.	Weight each, 23/4 lbs. Each\$	13.20
	The second second	Weight each, 31/4 lbs. Each	15.10
		Marked metric and English	

One side metric (first decimetre in mm., balance of length in cm.)
One side English (feet, inches and 8ths of inches)
No. 1291S-ME With 590 Plumb Bob,

MEXICAN PATTERN

Same as above ME tapes, except metric side graduated down to millimetres entire length, and English side to feet, inches and 16ths. Not "Instantaneous" Readings.

No. 1291S-ME MEXICAN PATTERN with 590 Plumb Bob.

Packing: All packed one in a box

NOTE—"Standard Pattern" is furnished unless "Mexican Pattern" is specified.
For gauging tapes with lighter weight bobs, see pages 27 and 28.
"Atlas" tapes marked metric only, price same as marked feet and inches.



OIL GAUGERS STEEL TAPES With Plumb Bob-With Folding Handle "Nubian" Finish. Instantaneous Readings.

POPULAR WITH GAUGERS OF THE LIGHTER CRUDE OILS, GASOLINE, ETC.

These standard weight steel tapes on frames, with the light (6 oz.) bob, are also widely used throughout the oil industry.

Line of highest grade tape steel, distinctly marked. Measure. ments guaranteed accurate. Substantial metal frame heavily nickel plated, and with polished hardwood handle.

Tape fitted with No. 588, 6 oz. solid brass, cone-shaped bob, of 14 inch diameter. Length of bob, 23% inches, is included in measurement of tape, and bob is detachable..

ALWAYS SPECIFY "WITH 588 BOB" IF WANTED WITHOUT BOB, SPECIFY "FOR 588"

WITH THREE-EIGHTHS INCH TAPES

Marked	feet, inches and 8ths of inches, one side only
be one sured goo DiL	Bob. Length 25 ft. Weight each, 1 % lbs. Each
	Marked metric and English

One side metric (first decimetre in mm., balance of length in cm.)

One side English (feet, inches and 8ths of inches) No. 281ME With 588 Plumb Bob. Length 10 metres (33 ft.). Weight each, 11/2 lbs. Each..... \$ 8.40 No. 283ME With 588 Plumb Bob. Length 15 metres (50 ft.). Weight each, 1 % lbs. Each...... 10.30

WITH ONE-HALF INCH TAPES

AND A MARKET		11 1	
No. 290 With 588 Plumb Bob. No. 291 With 588 Plumb Bob. No. 293 With 588 Plumb Bob.	Length 33 ft. Weight eac	ch, 11/2 lbs. Each	

One side metric (first decimetre in mm., balance of length in cm.)
One side English (feet, inches and 8ths of inches) No. 291ME With 588 Plumb Bob. Length 10 metres (33 ft.). Weight each, 15/8 lbs. Each. . . . \$ 9.45 No. 293ME With 588 Plumb Bob. Length 15 metres (50 ft.). Weight each, 17/8 lbs. Each... 11.45

Packing: All packed one in a box

NOTE-For other bobs, see page 30. While above tapes can be furnished with the heavy, No. 590, bob, we recommend for that the heavier tape, the "Atlas", page 26. Any above tapes can be furnished in "Mexican Pattern", i. e., marked mm throughout, and 16ths, for extra charge.

For above tapes on lock handle frames, see page 25.

For tapes marked metric only, price same as marked feet and inches.



OIL GAUGERS STEEL TAPES With Plumb Bob-With Lock Handle Instantaneous Readings. "Nubian" Finish.

THE LOCK HANDLE IS CONVENIENT WHEN SOUNDING FOR THE BOTTOM OF THE TANK

Standard weight steel tapes with No. 588 Plumb Bob and with lock handle frame. Many gaugers will use only the lock handle

Line of highest grade tape steel, distinctly marked. Measurements guaranteed accurate. Substantial nickel plated metal frame with polished hardwood handle. Lock handle holds the tape at any

point and gives good grip and leverage.

Fitted with No. 588, 6 oz. solid brass plumb bob of 11/4 inch ROSE TOOLS, INC. Inches long. Bob is included in measurement of tape and is detachable.

ALWAYS SPECIFY "WITH 588 BOB"

IF WANTED WITHOUT BOB, SPECIFY "FOR 588"

WITH THREE-EIGHTHS INCH TAPES Man 1 of fact to the and Oak of to the annuity order

Marked feet, inc	hes and oths	of inches, one s	ide only
No. 1280 With 588 Plumb Bob. I No. 1281 With 588 Plumb Bob. I	Length 33 ft.	Weight each,	1 1/2 lbs. Each 7.70
No. 1283 With 588 Plumb Bob. I	ength 50 ft.	Weight each,	1 % Ibs. Each 9-23
Ma	rked metric a	nd English	
One side metric (first	decimetre in n	m., balance of le	ngth in cm.)
No. 1281ME With 588 Plumb Bob.	in the state of th	a and vens or me	
Length 10 metres (33 ft.). Wei	ght each, 11/2 1	bs. Each\$ 8.40
No. 1283ME With 588 Plumb Bob.			
Length 15 metres (50 ft.). We	ight each, 15% I	bs. Each 10.30
WITH	ONE-HALF	INCH TAPES	
No. 1290 With 588 Plumb Bob. L. No. 1291 With 588 Plumb Bob. L.	hes and 8ths	of inches, one s	1 2 11 17 1 4 7 70

No. 1293 With 588 Plumb Bob. Length 5	33 ft. Weight each, 1% lbs. Each 8.80 30 ft. Weight each, 1% lbs. Each 10.45
No. 1291ME With 588 Plumb Bob.	etric and English e in mm., balance of length in cm) , inches and 6ths of inches)
No. 1293ME With 588 Plumb Bob.	Weight each, 1% lbs. Each \$ 9.45
Length 15 metres (50 ft.).	Weight each, 17/8 lbs. Each 11.45

Packing: All packed one in a box

NOTE—For other bobs, see page 30. While above tapes can be furnished with the heavy, No. 590, bob, we recommend for that the heavier tape, the "Atlas", page 26. Any above tapes can be furnished in "Mexican Pattern", i. e., marked mm throughout, and 16ths,

For tapes marked metric only, price same as marked feet and inches

TEMPERATURE SCALE

For the most exact results the temperature in which a measuring tape

is actually used must be taken into account.

Temperature scale on a steel tape is a series of graduations at the last end corresponding to the expansion and contraction of the tape over a range of temperatures which are indicated opposite the various lines. (Above illustration shows such scale (half size) on a 100 foot tape graduated to feet 10ths and 100ths). This scale takes the place of the terminal mark, that point falling on the line in the scale representing the temperature prevailing.

We are prepared to put this scale on all steel tapes 1/4 inch and over in width, on the basis of the Fahrenheit thermometer for tapes in English

markings, and the centigrade thermometer for those in metric.

PHOSPHOR BRONZE TAPES Nickel Plated

These are rust proof. They are particularly adapted for use around salt water, acids and gases, and where a tape is continuously exposed. While of hard bronze, they are not spring tempered as are steel tapes.

We can supply Phosphor Bronze Tapes in 3/8 inch and 1/2 inch widths put up in any of our standard leather cases or metal frames. Prices quoted

on application.

STEEL TAPE LINES WITHOUT CASES OR FRAMES With Regular Graduations

Specify as "Tapes only" and by prefixing zero to stock number of complete tape, as "No. 0263 Challenge tape only".

Three-Eighths Inch Wide

For No. 200 Series "Reliable", No. 260 Series "Challenge", "Rival", and No. 280 and No. 1281 Series Frame Tapes. Length, feet ... 25 33 50 66 75 .. 100 150 ... 200 Length, metres . 5 .. 10 15 20 ... 25 30 ... 50 60 Marked one side, each ... \$3.00 3 60 3.90 4.50 5.65 6.00 6.60 7.80 13.50 15.00 18.00 Marked both sides, each .\$3.60 4.40 4.80 6.00 7.60 8.30 9 00 10.80 18.00 20.00 24.00

One-Half Inch Wide

For No. 300 Series "Reliable", No. 360 Series "Challenge", and No. 290 and No. 1291 Series Frame Tapes. Marked both sides, each 4.50 5.30 5.90 7.20 9.00 10.50 11 40 13.50 21.00 23.10 28.00

Light Weight, One-Quarter Inch Wide

For "Reliable Jr.", "Challenge Jr.", and "Rival Jr." Tapes. Marked one side, each..... \$2.85 \$3.40 \$3.70 \$4.30 \$5.40 \$5.70 \$6.30 \$ 7.40 Marked both sides, each.... 3.40 4.20 4.60 5.70 7.20 7.90 8.55 10.25

Heavy, One-Quarter Inch Wide (with Detachable Rings)

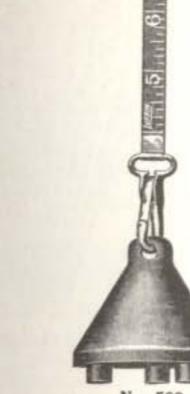
Marked both sides, each.... 6.60 8.40 10.70 12.70 13.80 16.10 23.70 26.00 31.50 NOTE-Plumb Bob Tapes only, i. e., tapes cut for bob and fitted with snap, take above prices plus 10c each (except the "Atlas"),

"Atlas" One-Half Inch Wide

		Standard	Pattern v	with Snap		50
ength,	feet			eren en leeren ee	., 33	15
enoth	metres	1000	- 6		. 10	\$6.50
Marked	one side, each				. \$5.00	8.00
Marked	both sides, each				0./0	

NOTE-For Chain Tapes only, see Chain Tape pages.

TAPE ACCESSORIES







No. 590

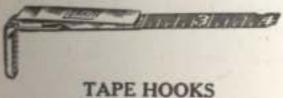
PLUMB BOBS FOR STEEL TAPES

(FOR TAPES COMPLETE WITH PLUMB BOBS, SEE PAGES 26, 27 AND 28)

These plumb bobs attached to steel tapes are used in tank gauging throughout the oil industry. No. 588 is of weight suitable for gauging the lighter crude oils, gasoline, etc. No. 590 will penetrate the heavier oils. These two bobs are of solid brass. No. 589 is enameled, and being same length as No. 588, is interchangeable

No. 588 Wt. each, 6 ozs. Lgth, 2% in. Diam. 14 in. Each \$2.10 ROSE TOOLS, INC. 0. 589 Wt. each, 14 ozs. Lgth, 23% in. Diam. 2% in. Each 2.90 No. 590 Wt. each, 20 ozs. Lgth, 634 in. Diam. 1 in. Each 2.65

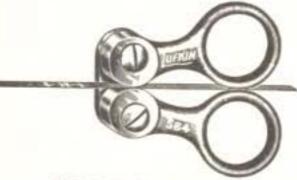
Packing: One in a box.



No. 588

In many places enable one man to take long or short measurements unassisted. Easily slipped on our steel tapes with standard end ring. When attached to such tapes measuring from end of ring zero falls at inside of hook.

No. 551	For	Wt. Per Doz.	Price
552	1/4 in. tapes		\$0.6
Parkett State of the last	3% in. tapes	11 ozs.	.61
55214 P-	1/2 in tance	22	-
F-6	cking: One de	ozen in a L	



CLAMP HANDLE

For gripping a steel tape at any point along its length so tension can readily be applied and held. Made of brass, nickel plated. Applied and removed by simply operating the handle. Properly used, will not damage a tape in any way.

No. 584 Wt. each, 4 ozs. Each. \$2.65



TENSION HANDLE

For applying and determining the exact tension applied to any tape. Used on steel tapes in precise work to insure uniformity of results. Made of brass, nickel plated. Capacity 30 lbs., indicated by

No. 586 Weight each, 4 ozs. Each......\$5.25 NOTE-For Surveyor's Arrows, see page 31.

30

THE

UFKIN

RULE





SPRING STEEL ARROWS

THESE SURVEYOR'S ARROWS ARE OF OIL TEMPERED STEEL

No. 591 3/16 inch, square; 14 inches long. Nickel plated. With red flag. This arrow, being square, measurements to or from it can be most accurately taken. Its size and shape are such that with it a hole can be reamed in hard soil or ice and an especially firm setting secured. The red linen flag is securely sewed to the ring.

Weight per set, 2 lbs. Price, per set of 11.. ... \$5.25 ROSE TOOLS, INC. Price, per set of 11.. ... \$5.25

No. 592	3/16 inch, round; 10 inches long. Nickel plated. With
	ring enameled bright vermilion.
	Waight per set 11/4 lbs. Price, per set of 11\$2.25

No. 593	3/16 inch, round; 14 inches long.	Nickel plated.	With
	ring enameled bright vermilion.		TO SHOW THE SHOW

Weight per set, 134 lbs. Price, per set of 11.....\$2.60

No. 594 9/64 inch, round; 10 inches long. Plain. With ring enameled bright vermilion.

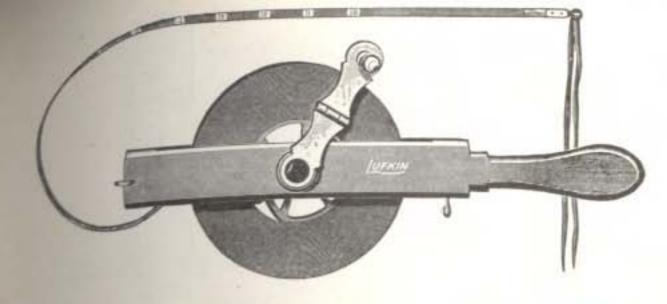
Weight per set, 3/4 lbs. Price, per set of 11.....\$1.40

No. 595 9/64 inch, round; 14 inches long. Plain. With ring enameled bright vermilion.

Weight, per set, 1 lb. Price, per set of 11.....\$1.50

Packing: One set of 11 Arrows in a box

For carrying Arrows we can furnish the following: No. 597 Leather Quiver with belt loop for carrying 11 arrows. Price, each....\$4.20





SURVEYORS CHAIN TAPES

Etched Graduations.

"Nubian" Finish.

A CHAIN TAPE FOR HEAVY SURVEY WORK, YET ONE THAT AFFORDS ALSO THE CLOSEST DEGREE OF ACCURACY

A quarter-inch extra heavy steel tape, marked one side only. Markings are etched into raised bright portions of the tape, therefore are most legible and permanent. A pair of rawhide thongs is furnished with each tape (detachable rings instead if specified). Put up on well finished hardwood reel, with long folding winding handle and large drum. Trimmings nickel plated. Line detachable from reel. Measurements guaranteed accurate.

Regular Markings

Tapes in links-marked links and poles, with end links in 10ths.

Tapes in metres-marked first and last decimetre in mm., balance of first and last metre in cm., balance of length in decimetres.

WITH EXTRA HEAVY, ONE-QUARTER INCH TAPES

Tapes Complete, With Reel and Thongs								
No. 5100 5150 5200 5300 5066 5132 5082M 5100M 5164M 5328M	30 metre	2½ lbs.	\$ 9.00 12.00 14.10 21.40 7.80 12.00 8.70 10.00 15.00 27.00	No. 05100 05150 05200 05300 05066 05132 05082M 05100M 05164M 05328M	ments and the first	Wt. 1 1/2 2 1/2 3 4 1/4 1 1/4 2 1 1/4 2 3/4 4 3/4	Each Ibs. Ibs. Ibs. Ibs. Ibs. Ibs. Ibs. Ibs.	Each \$ 6.00 8.40 10.50 16.00 4.80 8.40 5.70 7.00 11.50 21.00

Reels Only

For 150 and 200 f	25 and 30 metre tapes, each	\$3.5
The state of the s	200 link, and 50 metre tapes, each metre tapes, each	
and 100	metre tapes, each	6.3

Packing: One in a box

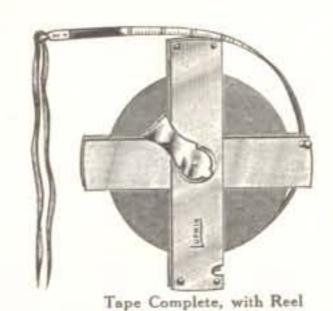
NOTE Half gage mark put on any above tapes when specified. No extra charge. This is a mark 2' 414" from zero, representing one-half standard gage of Tapes with end feet marked inches and 8ths, no extra charge.

Tapes with extra foot first end to 100ths numbered from right to left, no extra charge.

THE

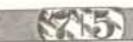
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RULE





Reel Only, when Folded



1816

SURVEYORS CHAIN TAPES

Etched Graduations.

"Nubian" Finish.

AN ACCURATE, DURABLE CHAIN TAPE WITH FOLDING CROSS-ARM ALL-METAL REEL

Steel line same as No. 5100 series, page 32, i. e., 1/4 inch extra heavy, with markings etched into raised bright portions, making them most legible and permanent. Tape marked one side only. A pair of rawhide thongs is furnished with each tape (detachable rings instead if specified). Put up on substantial cross-arm all-metal reel in dull nickel plated finish. Reel has leather strap handle, long folding winding handle and large drum. Cross arms fold together as illustrated above. This type of reel is especially desirable for the longer tapes. Trimmings nickel plated. Line detachable from reel. Measurements guaranteed accurate.

Regular Markings

Tapes in feet-marked feet only every foot, with end feet in 100ths. Tapes in links-marked links and poles, with end links in 10ths.

Tapes in metres—marked first and last decimetre in mm., balance of first and last metre in cm., balance of length in decimetres.

WITH EXTRA HEAVY, ONE-QUARTER INCH TAPES

Length Wt. Each Each 100 ft. 1½ lbs. \$6.0 150 ft. 2½ lbs. 8.4 200 ft. 3 lbs. 10.5 300 ft. 4¼ lbs. 16.0 500 ft. 7 lbs. 27.0 100 link 1¼ lbs. 4.8 200 link 2 lbs. 8.4 25 metre 1½ lbs. 5.7 30 metre 1¾ lbs. 7.0 50 metre 2¾ lbs. 11.5 100 metre 4¾ lbs. 21.0
123512

For	100 ft., 100 link, 25 and 30 metre tapes, each \$	7.00
For	150 and 200 ft., 200 link, and 50 metre tapes, each	9.00
For	300 ft. and 100 metre tapes, each	
For	500 ft. tapes, each	12.00

Packing: One in a box

NOTE—Half gage mark put on any above tapes when specified. No extra charge. This is a mark 2' 4 4 " from zero, representing one-half standard gage of rail-road track.

— NEW PRICES —

Tapes with end feet marked inches and 8ths, no extra charge. Tapes with extra foot first end to 100ths numbered from right to left, no extra charge.



7.5

SURVEYORS CHAIN TAPES (EXTRA NARROW)

Etched Graduations.

"Nubian" Finish.

THIS EXTRA NARROW HEAVY TAPE HANDLES WELL AMONG OBSTRUCTIONS AND ON ROUGH GROUND

One-eighth inch wide, extra heavy steel tape marked one side only. Markings are etched into raised bright portions of the tape, therefore are extra legible and permanent. Pair of rawhide thongs is furnished with each tape (detachable rings instead if specified). Durable sheet steel open reel in dull nickel plated finish, and mounted in hardwood frame, with strap handle. Long folding winding handle. Line detachable from reel. Measurements guaranteed accurate.

Regular Markings

Tapes in feet-marked feet only every foot, with end feet in 100ths.

ROSE TOOLS, INC. Tapes in links-marked links and poles, with end links in 10ths.

Tapes in metres—marked first and last decimetre in mm., balance of first and last metre in cm., balance of length in decimetres.

WITH EXTRA HEAVY, ONE-EIGHTH INCH TAPES

	Complete, el and Thon			Tapes Witho	and the second second	
No. Length 4100 100 ft. 4150 150 ft. 4200 200 ft. 4300 300 ft. 4500 500 ft. 4066 100 link 4132 200 link 4082M 25 metre 4100M 30 metre 4164M 50 metre 4328M 100 metre		Each \$15.00 17.40 19.50 26.50 37.50 13.80 17.40 14.70 16.00 20.40 31.50	No. 04100 04150 04200 04300 04500 04066 04132 04082M 04100M 04164M 04328M	Length 100 ft. 150 ft. 200 ft. 300 ft. 500 ft. 100 link 200 link 25 metre 30 metre 50 metre	Wt. Each 1½ lbs. 1¾ lbs. 2¼ lbs. 3 lbs. 4¼ lbs. 1¼ lbs. 1¼ lbs. 1¼ lbs. 1½ lbs. 1½ lbs. 2 lbs. 3¼ lbs.	Each \$ 6.00 8.40 10.50 16.00 27.00 4.80 8.40 5.70 7.00 11.50 21.00

Reels Only

Packing: One in a box

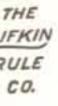
NOTE—Tapes with end feet marked inches and 8ths, no extra charge.

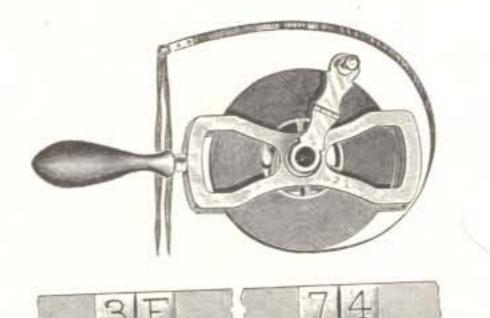
Tapes with extra foot first end to 100ths numbered from right to left, no extra charge.

THE

UFKIN

RULE





"MICHIGAN" SURVEYORS CHAIN TAPES

Graduated on Babbitt Metal

A CHAIN TAPE THAT WILL STAND UP TO RAILROAD AND OTHER ROUGH WORK

This line is of heavy and extra tough steel, coated with white metal to resist rust. It is practically indestructible. Graduations are stamped into babbitt metal. The line is marked one side only and a pair of rawhide thongs is furnished with each tape (detachable rings instead if specified).

Has sturdy metal reel of improved pattern, heavily nickel plated, with polished hardwood handle and long folding winding handle. Line is detachable from reel.

Regular Markings

Tapes in feet-marked feet only every foot, end feet in 10ths. Tapes in links-marked links and poles, with end links in 10ths.

Tapes in metres-marked first and last metre in decimetres, balance of length in metres.

Tapes Complete, With Reel and Thongs

Tapes Without Reel, With Thongs

Widthe

ROSE TOOLS, INC.

			WI	dths			
Inch I No. 3100 & 3 3150 & 3 3200 & 3 3500 & 3 3666 & 3 3132 & 3 3082M & 3 3164M & 3	nch No. Lgth. 2100 100 2150 150 2200 200 2300 300 2500 500 2066 100 2132 200 2082M 25 2100M 30 2164M 50	ft. 3 1/4 ft. 5 ft. 6 ft. 8 ft. 11 1/4 link 2 3/4	 Inch No. 03100 03150 03200 03300 03500 03066 03132 03082M 03100M	No. & 02100 & 02150 & 02200 & 02300 & 02500 & 02066 & 02132 & 02082N & 02100N	Lgth. Ap 100 ft. 150 ft. 200 ft. 300 ft. 500 ft. 100 link 200 link 4 25 metr	2 \$ 3 ¼ 4 ¼ 5 ¾ 10 ¼ 1 ¾ 2 € 1 ¾ e 2	Each 6.00 8.40 10.50 16.00 27.00 4.80 8.40 5.70 7.00 11.50

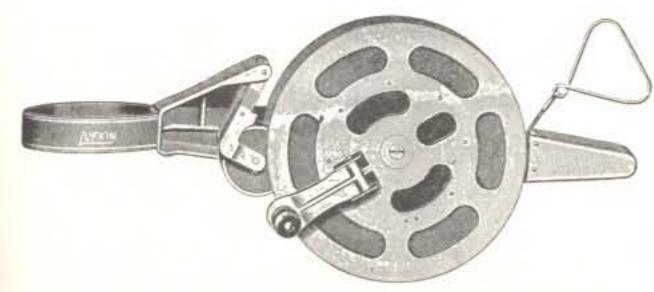
Reels Only

For 100 ft., 100 link, 25 and 30 metre tapes, each for 150 and 200 ft., 200 link and 50 metre tapes, each	5.25
For 150 and 200 ft., 200 link and 50 hr. For 300 ft. and 100 metre tapes, each	8.50
For 300 ft. and 100 metre tapes, each	

NOTE-Reels for above tapes over 100 feet long are four-arm pattern.

Half gage mark put on any above tapes when specified. No extra charge. This is a mark 2' 41/4" from zero, representing one-half standard gage of railroad track. Tapes with extra foot first end to 19ths, numbered from right to left, no extra charge. Tapes with measurements beginning at end (outer end of clip), no extra.

Babbitt Metal Chain Tapes can be supplied in 50 foot length,



THE "CRIPPLE CREEK" REEL

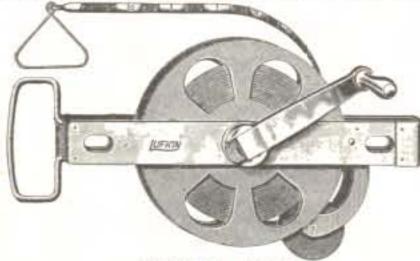
REEL AND FITTINGS ESPECIALLY DESIGNED FOR HANDLING THE LONGER CHAIN TAPES

This is an open disk reel, 8 inches in diameter, of steel, nickel plated. It is mounted on an aluminum frame 15 inches long.

The winding handle gives over 4 inches leverage and has extra large extension hand grip. The construction makes reeling up easy and rapid. A spring tension roller of hardwood rides on the tape, causing it to wind evenly and tightly. Frame has leather loop for carrying reel suspended. While durable and designed for heavy tapes, the "Cripple Creek" is of medium weight.

Made in one size only. It will accommodate \(\) inch wide etched Chain Tapes up to 1.000 feet long, \(\) inch up to 500, and babbitt metal tapes up to 300 feet. For the "Cripple Creek" reel we can supply a staff. This is of hardwood, 40 inches long, having at one end aluminum socket head and set screw for mounting the reel, at the other a steel point for firmly setting in the ground.

Weight each, 4½ lbs. Each.....\$42.00 Weight each, 2¼ lbs. Each...... 8.00 "Cripple Creek" Reel only, complete, Staff only for "Cripple Creek" Reel.



REEL No. 1914

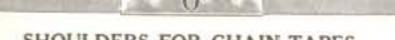
AN ALL-STEEL LOCK HANDLE REEL FOR CHAIN TAPES

The winding reel is of 7 inch diameter and frame in which it is mounted is 14 inches long overall. The winding handle gives 5 inches leverage, and locks into either end of the frame, thus holding the tape at any point. Hardwood spring tension roller engages the tape, causing it to wind evenly and tightly This reel is in dull nickel plated finish. It is of medium weight and will withstand severe use.

No. 1914 reel can be used with any of our chains, pages 32, 33, 34 and 35, and is especially recommended for the longer lengths and the babbitt tapes. Made in three capacities, varying only in width.

In Ordering Always State Length, Width and Style of the Tape to be Used

No. 1914 Reel, for 200 to 300 foot tapes. Weight each, 4 lbs. Each 19.0	No. 1914	Reel, for 200	to 300 font tapes	Weight	each,	4	lbs.	Each	
-------------------------------------------------------------------------	----------	---------------	-------------------	--------	-------	---	------	------	--



SHOULDERS FOR CHAIN TAPES

Some surveyors use in chaining a tape equipped with shoulders. These shoulders assist in locating the zero and last graduation. They are securely riveted to the tape and can be supplied on any of our chain tapes 3/16 inch or over in width. Extra per pair.... \$0.85

THE UFKIN

RULE CO.



"ARTISAN" STEEL TAPES

Smstantaneous Readings.

"Nubian" Finish.

ROSE TOOLS, INC

A STANDARD WIDTH AND WEIGHT, MEDIUM LENGTH TAPE AT MODERATE PRICE

The "Artisan" line affords the mechanic, at moderate cost, tapes 8 to 20 feet long with line and case heavy enough to stand hard service.

An accurate steel tape in nickel plated steel case with knurled edge, affording firm grip. Flush folding handle opened by push button.

WITH THREE-EIGHTHS INCH TAPES

Marked feet, inches and 16ths, one side only

No	112	115	120
Length 8 ft.	12 ft.	15 ft.	20 ft.
Weight per doz., lbs 31/4	33/4	4	41/2
Price, per doz	\$28.80	\$33.60	\$38.40

Marked metric and English
One side feet, inches and 16ths; other side millimetres throughout

No	112EM	115EM
Length	t. (3 metres)	15 ft. (5 metres)
Weight per doz., lbs	33/4	4
Price, per doz	\$34.20	\$40.20

With Diameter Measurements

Enable one by applying tape to any circumference to arrive at its diameter down to 64ths of an inch.

Marked consecutive inches to 16ths one side; diameter measurements on back

No 108P	112P	115P	120P	*115PM
Length96 inches	144 inches	180 inches	240 inches	5 metres
Weight per doz., lbs 31/4	33/4	4	41/2	4
Price, per doz \$28.80	\$34.20	\$40.20	\$48.00	\$40.20

(*No. 115PM marked mm one side, diameter measure in metric other side)

Packing: 1/2 dozen in a box

NOTE-For "Artisan" Millmens Tapes with hook on end for measuring steel sheets, tubes, etc., see page 35.

For "Artisan" Tree Tape for foresters, see page 19.



MILLMENS STEEL TAPE WITH HOOK

"Artisan" Pattern

USED ON METAL SHEETS, TUBING, ETC., AT MILLS AND WAREHOUSES. ENABLES ONE MAN TO TAKE MEASUREMENTS.

This is the millmens tape which, because of its durability, we especially recommend. A \(\frac{1}{8} \) inch wide standard weight steel tape, with flat steel hook riveted to first end. Zero falls at inside of hook. The line is marked one side only consecutive inches to 16ths, i. e., inches numbered from 1 to 144, "Nubian" Finish. Case of steel, nickel plated, and with knurled edge, affording firm grip. Flush folding handle opened by push button.

No. 112CH Length, 144 inches (12 ft.). Weight per doz., 4 lbs. Per doz.....\$32.40

Packing: One-half dozen in a box

Above tape line only, with hook, without case:
No. 0112CH Per doz......\$18.00



MILLMENS STEEL TAPE WITH HOOK Spring-wind Pattern

This tape differs from the one above principally in that it is spring-wind pattern and has narrower medium weight line.

The line is 5/16 inch wide. It is marked one side only consecutive inches to 16ths (inches numbered 1 to 144), "Nubian" Finish. Flat steel hook is riveted to first end and zero falls at inside of hook. Case is of nickel-silver, spring-wind, with center stop.

No. 1512CH Length, 144 inches (12 ft.). Weight per doz., 3 lbs. Per doz....\$36.00

Packing: One-half dozen in a box

NOTE-Millmens tapes marked feet, inches and 16ths, price same as in consecutive inches, Specify as "112H" and "1512H", respectively.



POCKET TAPES ARE MORE UNIVERSALLY USED THAN ANY OTHER CLASS OF MEASURING TAPES

They find ready sale not only at hardware and tool stores, but also at engineering, technical and professional supply houses, as well as stationery and drug stores, novelty shops, etc. Our pocket tapes are of the most popular, durable types. All have metal cases, and are of sizes most convenient to carry.

POCKET STEEL TAPES

"Nubian" Finish

ROUND-EDGE, NICKEL PLATED CASES, SPRING-WIND, CENTER STOP

This is the popular line of high grade Pocket Steel Tapes

WITH ONE-QUARTER INCH STEEL TAPES

Marked inches to 16ths, one side only

No	145	146	148*
	60 inch	72 inch	96 inch
	11/4	11/4	1½
Price per doz\$9.00	\$11.40	\$12.00	\$18.00

(*When marked feet, inches and 16ths, known as No. 148F, price same as No. 148)

Marked inches to 16ths one side; feet, 10ths and 100ths of feet other side

No	145D	146D	148D
Length	60 inch	72 inch	96 inch
Weight per doz., lbs I	11/4	11/4	11/2
Price, per doz	\$12.60	\$15.00	\$21.00

Marked inches to 16ths one side; millimetres other side

No	143EM . (1 metre)	145EM 60 in. (1½ metre)	THE PROPERTY OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON A	148EM 96 in. (2½ metre)
Wt. doz., lbs Price, per doz.	\$9.60	\$12.60	\$15.00	\$21.00

Packing: One-half dozen in a box



POCKET STEEL TAPES

"Nubian" Finish

SQUARE-EDGE, NICKEL-SILVER CASES, SPRING-WIND, CENTER STOP

Our finest line of pocket tapes, cases being of nickel-silver. Lengths up to 12 feet, the longest practical in spring-wind construction.

WITH ONE-QUARTER INCH STEEL TAPES

Marked inches to	6ths, one side o	nly	
No	155	156	158
Length	60 inch	72 inch	96 inch
Weight per doz., lbs	11/4	11/4	11/2
Price, per doz\$10.20	\$13.20	\$14.40	\$21.00

Marked inches to 16ths one side; millimetres other side

No	153EM	155EM	156EM
Length	inch (1 metre)	60 inch (1 1/2 metre)	72 inch (2 metre)
Weight per doz., lbs	3/4	11/4	11/4
Price, per doz	\$10.80	\$14.40	\$17.40

ROSE TOOLS, INC

WITH FIVE-SIXTEENTHS INCH STEEL TAPES

Marked feet, inches and 16ths, one side only

No	1512
Length	12 feet
Weight per doz., lbs	23/4
Price, per doz	\$32.40

Marked feet, inches and 16ths one side; feet, 10ths and 100ths of feet other side

No	1512D
Length	12 feet
Price, per doz	\$37.20

Marked feet, inches and 16ths one side; millimetres other side

No.	1510EM	1512EM
Length	10 feet (3 metres)	12 feet (3 1/2 metres)
Price, per doz.	\$33.60	\$37.20

With Diameter Measurement

Inches to 16ths one side; other side diameter measurement, enabling one by applying tape to circumference to determine directly the diameter down to 1/64th inch.

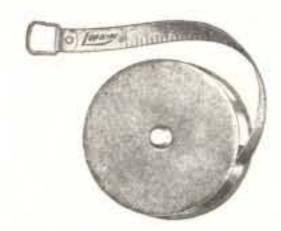
No. 1512P Length, 144 inches (12 ft.). Weight per doz., 23/4 lbs. Price, per doz. \$37.20

Packing: All packed 1/2 dozen in a box

NOTE-For Millmens Tape with hook, No. 1512CH, see page 38.

THE UFKIN

RULE



"MARVEL" POCKET STEEL TAPES

"Nubian" Finish

SQUARE-EDGE, NICKEL PLATED CASES, SPRING-WIND, CENTER STOP

A good, serviceable steel pocket tape, although lower in price than those shown on preceding pages.

WITH ONE-QUARTER INCH STEEL TAPES

No	3145 60 inch	3146 72 inch
Weight per doz., lbs	\$9.00	\$10.20

Marked inche	s to 16ths one	side, millimetres other si	de
No	3143EM*	3145EM	3146EM
Weight per doz., lbs	\$7.20	\$10.20	\$12.00

Packing: 1/2 doz. in a box

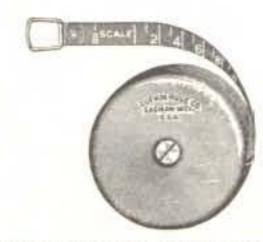


*The big sellers in this line, Nos. 3143 and 3143EM, are regularly put up in an attractive display box containing one dozen tapes. This has proven the most effective method of selling pocket tapes in quantities. Each of these boxes is packed within an outer one for protection. One gross tapes (12

(These items can also be furnished in ordinary rather than display boxes, i, e., 1/2 dozen to a box, as listed above. Specify if so wanted.)

No. 3143 36 inch. In display box. Weight per gross, 9 lbs. Price, per gro.\$72.00 No. 3143EM 36 inch. (1 metre). In display box. Weight per gross, 9 lbs. Price, per gross 86.40

NOTE-For "Marvel" Pocket Linen Tapes, see page 56.



POCKET STEEL TAPES WITH ARCHITECTS SCALES

FOR QUICKLY MEASURING SCALE DRAWINGS OR BLUE PRINTS OF BUILDINGS, PLANS, ETC.

Tapes of best quality steel, 1/4 inch wide, in "Nubian" Finish. The cases are nickel plated and polished. They are round-edge pattern, spring-wind with center stop.

Marked in 1/4 inch architect's scale, 1 to 480, one side; inches to 16ths other side

Marked in % inch architect's scale one side; ¼ inch architect's scale other side



ROSE TOOLS, INC.

POCKET STEEL TAPE WITH ARCHITECTS AND ENGINEERS SCALES

A handy combination for architects, draftsmen and engineers. A 3/8 inch wide, two metre (78-3/4 inch) steel tape in "Nubian" Finish. Put up in square-edge nickel-silver case, spring-wind with center stop.

One side of tape marked full length upper edge to millimetres, lower edge inches to 16ths; other side laid off in 12-inch sections, marked both edges, and carrying 1/8, 3/8, 1/4, 1/2, 3/4, 1, 11/2 and 3-inch architect's scales with subdivisions, and engineer's scales of 10, 20, 30 and 40 parts to the

No. 398 2 metres (783/4 inches). Weight per doz., 21/4 lbs. Price, per doz....\$37.80

METRIC CONVERSION STEEL TAPE

For determining with ease and certainty the metric equivalents of English weights and measures, and vice versa. On this tape the English and metric weights and measures are placed in their corresponding relations so one can be converted into the other directly. Especially valuable to exporters, importers, shippers, and others.

A 5/16 inch wide, 2 metre (78-3/4 inch) steel tape in "Nubian" Finish. Case of nickel-silver, square-edge, spring-wind with center stop. Line marked one side upper edge millimetres, lower edge inches to 16ths; other side marked upper edge to represent pounds and ounces, lower edge kilograms also properly subdivided.

No. 396 2 metres (783/4 inches). Weight per doz., 2 lbs. Price, per doz.,...\$31.20 Packing: All packed 1/2 doz. in a box

THE UFKIN

RULE

POINT OF BEGINNING OF MEASUREMENT ON STEEL TAPES



Showing tape measuring from end of ring (outer end)



Showing tape with blank space first end

OUR STANDARD PRACTICE ON STEEL TAPES IS AS FOLLOWS:

All catalogued long steel tapes marked one side only measure from end of ring, except:

- (1) Engineers Pattern Tapes (which measure from end of tape).
- (2) Chain Tapes (which have blank space first end).
- (3) Plumb Bob Tapes (which measure from lower end of bob).

All catalogued long steel tapes marked both sides have blank space first end, except:

- (1) Standard pattern tapes marked links on back (which measure from end of ring).
- (2) Engineers Pattern Tapes (which measure from end of tape).
- (3) Plumb Bob Tapes (which measure from lower end of bob).

All catalogued Pocket Steel Tapes and "Artisan" Tapes, marked one or both sides, have blank space first end, except:

(1) Millmens Tapes (which measure from inside of hook).

NOTE-While the above is our standard practice, any of our steel tapes (except pocket tapes) will, without extra charge, be furnished in either style.

SPECIAL GRADUATIONS ON STEEL TAPES

We are prepared to put the following special graduations on steel tapes, aside from the regular graduations listed throughout Section One of this Catalog. (Tapes in special graduations do not have Instantaneous Readings.)

Prices for these special markings are quoted on request.

ONE-QUARTER INCH STEEL TAPES:

Feet and inches only, inches not subdivided.

Feet, inches and quarters.

Feet, inches and 32nds.

Feet, inches and 8ths, left hand (figures running right to left).

Feet, 10ths and 100ths of feet, left hand (figures running right to left)

Feet, 10ths and 100ths of feet, upper edge (regular is lower edge)

Consecutive inches to 16ths (up to 300 inches, 25 feet).

Links and poles' (also links to 10ths and to 100ths throughout)

Diameter measurements.

Slope correction measurements (1/4 inch etched Chain Tapes).

Feet, 10ths and 100ths of feet (special on Chain Tapes).

Type measurements (pocket tapes)

Vara measurements.

Nya and Gamla (Swedish) measurements.

Norsk (Norwegian) measurement.

THREE-EIGHTHS INCH STEEL TAPES:

Feet and inches only, inches not subdivided,

Feet, inches and quarters.

ROSE TOOLS, INC

Feet, inches and 10ths of inches,

Feet, inches and 16ths (see foot notes).

Feet, inches and 32nds.

Feet, inches and 8ths, left hand (figures running right to left).

Feet, 10ths and 100ths of feet, left hand (figures running right to left).

Consecutive inches to 16ths (up to 600 inches, 50 feet).

Yards and fractions of yards to 1/32 yard (up to 20 yards).

"Yards and quarter yards only (up to 20 yards).

Links and poles (also links to 100ths throughout).

Millimetres throughout entire length.

Burgos (Spanish Vara) measurement.

Other Vara measurements.

Nya and Gamla (Swedish) measurements.

Norsk (Norwegian) measurement.

Vershok and Sagene (Russian) measurements

ONE-HALF INCH STEEL TAPES:

Feet and inches only, inches not subdivided.

Feet, inches and 10ths of inches-

Feet, inches and 12ths of inches.

Feet, inches and 16ths (see foot notes).

Feet, inches and 8ths, left hand (figures running right to left).

Feet. 10ths and 100ths of feet, left hand (figures running right to left).

Consecutive inches to 8ths (up to 600 inches, 50 feet).

Links and poles.

Millimetres throughout entire length.

Burgos (Spanish Vara) measurement.

Other Vara measurements.

Nya and Gamla (Swedish) measurements.

Norsk (Norwegian) measurement.

Vershok and Sagene (Russian) measurements,

THE **UFKIN** RULE CO.

Section Two WOVEN MEASURING TAPES

OUR line of Woven Tapes is diversified, ranging from the highest grade Metallic to the common Ass Skin Tape.

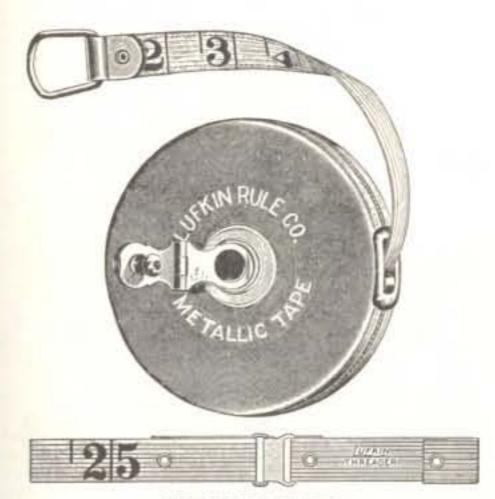
These are to be seen in daily use everywhere.

Our Woven Tapes are of selected yarns, woven to width in our own factories, finished and coated to best resist stretching and shrinking under actual conditions of use. They are accurate within reasonable limits. However, the accuracy of such tapes cannot be guaranteed and, because of the very nature of the material, no fabric line should be depended upon for very close work. It is well to occasionally check up such tapes with a steel line, and for precise work a steel tape should always be used. However, for many kinds of work woven tapes are most practical and give satisfactory results, particularly the better grades.

ROSE TOOLS, INC.

One of the features of our Metallic Tapes is the patent threader, a device making the removal of an old and attaching of a new line most simple.

All cases are of good construction; those of leather are metal lined.



METALLIC TAPES Folding Handle

THE WIDELY USED, HIGHEST GRADE WOVEN TAPE

The Metallic is recommended for use where it is not practical to employ a steel tape and where the closest degree of accuracy is not required. It is the best woven line. This tape we weave, coat and mark by the most approved methods known to insure satisfactory service.

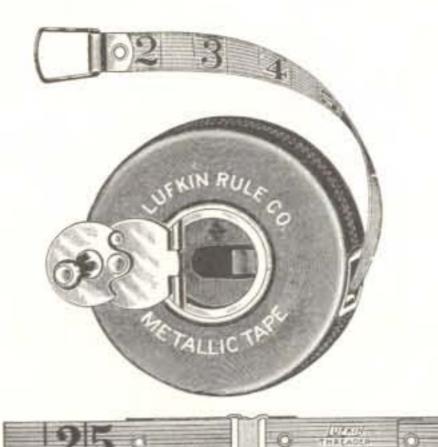
The line is \(^{8}\) inch wide, of linen with metallic warp. It has leather reinforcement first end. It is clearly marked and has prominent figures. The case is of genuine russet leather, hand-stitched, with metal liner and substantial folding handle. Trimmings nickel plated. Patent threader shown above makes removal of an old and attaching of a new line most simple.

WITH FIVE-EIGHTHS INCH METALLIC TAPES

Marked one side only

The state of the s	manual scarco made.				
Feet and inches No. 500	501	503	504	505	506
Feet and 10ths No. 500D	501D	503D	504D		506D
Length, feet	33	50	66	75	100
Weight each, ozs	11	13	18	21	24
Price, each \$3.10	\$3.60	\$4.50	\$5.10		
rice, each \$5.10	\$3.00	\$4.30	\$3.10	\$5.60	\$7.00
Marked metric one side on	ly (metres	to centin	netres the	roughout)	
No	501M	503M	504M	505 1/4 M	506M
Length, metres 5	10	15	20	25	30
Weight each, ozs. 9	1.1	13	18	21	24
Price, each	\$3.60	\$4.50	\$5.10	\$6.20	\$7.00
Marked One side metric (m	metric and	imetres thr	oughout)		
One side E	nglish (feet			CONTRACTOR STATES	110000000000000000000000000000000000000
No500 1/2 ME	501ME	503ME	504ME	505 1/2 ME	506ME
Length, metres 5	10	15	20	25	30
Length, feet	33	50	66	82	100
Weight each, ozs	1.1	13	18	21	24
Price, each\$3 20	\$3.80	\$4.70	\$5.40	\$6.50	\$7.60
Mark	ed links on	back			
(The use of tanes marked links on back)			continued i	in the United	States)
Feet and inches one		and the same			
side, links on back No. 500L	501L	503L	504L	505L	506L
reet and 10ths one					
side, links on back No. 500DL	501DL	503DL	504DL	505DL	506DL
Length, feet 25	33	50	66	75	100
weight each, oza	11	13	18	21	24
Price, each\$3.25	\$3.80	\$4.70	\$5.40	\$6.00	\$7.60
Packin		a box	650120	10000000	0403030
NOTE For Metallia	100			48	

NOTE-For Metallic Tapes without cases, see page 48



METALLIC TAPES

Double-Folding Flush Handle

OUR BEST WOVEN TAPE, IN FLUSH HANDLE CASE

Recommended for use where impractical to employ a steel tape and where the closest degree of accuracy is not required. It is the best woven line. This tape we weave, coat and mark by the most approved methods known to insure satisfactory service.

The 3/8 inch wide line is of linen, with metallic warp. It has leather reinforcement first end, is clearly marked and has prominent figures.

Case of genuine russet leather, hand-stitched, with metal liner. The winding handle is of superior construction, double-folding flush pattern opened by push pin. Nickel plated trimmings. Patent threader shown above makes removal of an old and attaching of a new line most simple.

WITH FIVE-EIGHTHS INCH METALLIC TAPES

William Contraction of the Contr		STATE OF THE PARTY OF	ALL CONTRACTOR IN		
Marke	ed one sid	e only		2232	700
Feet and inches No. 600	601	603	604	605	606
Feet and 10ths No. 600D	601D	603D	604D	605D	606D
Length, feet	33	50	66	75	100
Weight each, ozs 10	1.1	15	18	21	26
Price, each\$3.80	\$4.35	\$5.25	\$5.80	\$6.35	\$7.80
Marked metric one side onl	y (metres	to centin	netres thr	oughout)	20.000
No	601M	603M	604M	605 1/2 M	606M
Length, metres 5	10	15	20	25	30
Weight each, ozs 9	11	15	18	22	26
Price, each\$3.60	\$4.35	\$5.25	\$5.80	\$6.90	\$7.80
Marked	metric and	d English			
One side metric (me	tres to cen	timetres the	roughout)		
One side Er	nglish (feet	coaste	COAME	605 1/2 ME	606ME
No	601ME	603ME	20	25	30
Length, metres 5	10	15	7	82	100
Length, feet	33	50	66	22	26
Weight each, ozs	11	15		\$7.25	\$8.30
Price, each\$3.90	\$4.50	\$5.45	\$6.15	31.43	\$0,30
Mark	ed links o	n back	d	a she thrited	States)
(The use of tapes marked links on back h	as been pro	actically dis	continued	in the outcom	2
Feet and inches one	601L	603L	604L	605L	606L
side, links on backNo. 600L	BUIL	0031	OUTL	0036	
Feet and 10ths one	COLDI	603DL	604DL	605DL	606DL
side, links on back No. 600DL	601DL	50	66		100
Length, feet	33	15	18	21	26
Weight each, ozs	+4.50		\$6.15	\$6.70	\$8.30
Price, each	\$4.50	\$5.45	\$0.13	\$0.70	90,00
Packin	g: One i	n a box		925	

NOTE-For Metallic Tapes without cases, see page 48





JUNIOR METALLIC TAPES

Folding Handle

SMALLEST, MOST CONVENIENT TO CARRY, OF OUR LONG WOVEN TAPES.
POPULAR FOR LIGHT WORK

The Junior is a narrower (3/8 inch) Metallic line compactly put up. It is about one-half the size and weight of our 3/8 inch tapes.

The line is of linen with metallic warp and is clearly marked. Case is of genuine russet leather with metal liner. It has folding flush handle opened by push pin on opposite side. Nickel plated trimmings. Patent threader shown above makes removal of an old and attaching of a new line most simple. This tape is not made over 66 feet long.

WITH THREE-EIGHTHS INCH JUNIOR METALLIC TAPES Marked one side only

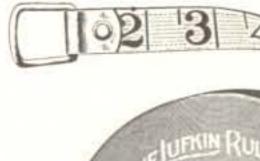
marked o	ne side only		
Feet, inches and 8ths of inches. No. 660	661	663	664
Feet, 10ths and 100ths of feet No. 660D	661D	663D	664D
Length, feet	33	50	66
Weight each, ozs 6	6	8	11
Price, each\$3.25	\$3.60	\$4.10	\$5.00
Marked met	ric and English		0.00
One side metric (metres One side English (to centimetres through feet, inches and 8ths)	iout)	
No		663ME	664ME
Length, metres	5 10	15	20
Length, feet 1	5 33	50	66
Price, each , \$3.2	0 \$3.80	\$4.30	\$5.30
Packing:	One in a box		

ROSE TOOLS, INC.

TALLIC AND HINIOD METALLIC TADES WITHOUT CASES

METALLIC							OUT CA	SES
		LLIC (%						
	Fo	r No. 500				C.S		
				e side o		0505		0506
Ft. & in No.			0501					
Ft. & 10ths No.				0503D				0506D
MetricNo. 05		05					0505 14 M	
Length, feet	4.4	25	33			75	25	100
Length, metres	. 5				20	42.25	25	
Price, each	\$1.00			\$2.50		\$3.25	\$3.80	\$4.70
		Ma	rked b	both side	es			
DEC. DELL'AND DEL		Me	tric ar	d Englis	h			
No 0500 1/2 ME	2	0501ME Feet and			04ME	0	505 1/4 ME	0506ME
No	0500L					0505L		05061
		Feet and	10ths	links o	n back			
No	0500DL	0501DL	050	3DL 0	504DL 0	505DL	0.7.7.4	0506DI
gth. ft 15	25	33		50	66	75	82	100
Lgth. met. 5		10		15	20	4.4	25	3(
Price, ea.\$1.20	\$1.65	\$2.00	\$2	.70	\$3.25	\$3.60	\$4.20	\$5.25
		METALLIC	(3% I	NCH WI	DEJ TAP	ES ONLY	(
	e a conce-onun			e side o				
Feet and inches					066	T	0663	0664
eet and 10ths.	4-1-1-1-1-1		No.	0660D	- 0661	-	663D	D664D
Length, feet				25		3	50	66
Price, each				\$1.35	\$1.6		\$2.25	\$2.70
22 20 20 1 1 1 1 1 1 1 1		Ma	rked 1	both side				
Metric and Parts		2714	Oce.	ALL BAT	0661N	E DE	63ME	0664MI
Metric and English		No.	0000	J 75 IVIE.		0	15	20
Price, each				21 10	\$1.8		\$2.45	\$3.00
		0.411 - 1.1 (-)	C + 1 F T	\$1.10	\$1.0	4	44.70	42.0

THE UFKIN RULE CO.





"STERLING" LINEN TAPES

A STRICTLY HIGH GRADE TAPE ESPECIALLY POPULAR WITH TELEPHONE AND TELEGRAPH COMPANIES., ETC., FOR ORDINARY WORK

This line, in general appearance similar to the Metallic, is without the metallic warp. While no woven tape should be depended upon for the closest degree of accuracy, the "Sterling" is well made from the best of materials and is serviceable.

Five-eighths inch wide linen tape with leather reinforcement first end. Markings are clear and figures prominent. Case of genuine russet leather, metal lined, with folding flush handle and nickel plated trimmings.

WITH FIVE-EIGHTHS INCH LINEN TAPES

Feet and inches	one side 401 401D 33 11 \$3.35	403D 50 12 54.00	404 404D 66 17 \$4.70	405 405D 75 19 \$5.10	406 406D 100 24 \$6.00
Marked metric one side only No	(metres 401M 10 11 \$3.35	403M 15 12 \$4.00	404M 20 17 \$4.70	405 14 M 25 19 \$5.40	406M 30 24 \$6.00
One side metric (met	401ME 10 33 11 \$3.60		404ME 20 66 17 \$5.10	405 1/2 ME 25 82 19 \$5 90	406ME 30 100 24 \$6.65

"STERLING" TAPES WITHOUT CASES

D.	larked on	e side on		* * * * *		0406
Ft. & in No. 0400 Ft. & 10ths No. 0400 Metric No. 0400 1/2 M Length, feet 5 Length, metres 5 Price, each \$0.95 \$1.40	0401 0401D 0401M 33 10 \$1.75	0403 0403D 0403M 50 15 \$2.40	0404D 0404D 0404M 66 20 \$2.80	0405D 75	0405 14 M 25 \$3.50	0406D
Metric and English No. 0400 1/2 Length, metres	5 15 10 \$	10 10 33	03ME 15 50 \$2.60	0404ME 04 20 66 \$3.15	405 14 ME 25 82 \$3.90	0406ME 30 100 \$4.75



ON THIS AND REMAINING PAGES OF THIS SECTION OF CATALOG ARE SHOWN THE LOW PRICED AND POPULAR WOVEN TAPES, OUR "UNIVERSAL" BRAND. WHILE GOOD TAPES OF THEIR KIND, THESE SHOULD NOT BE CONFUSED WITH OUR METALLIC AND "STERLING" LINES, SHOWN ON PRECEDING PAGES. WE CALL SPECIAL ATTENTION TO THE FACT THAT OUR "UNIVERSAL" TAPES ARE PACKED IN INDIVIDUAL BOXES, PROTECTING AND KEEPING THEM IN BEST CONDITION.

ROSE TOOLS, INC.

ASS SKIN TAPES

LOWEST IN PRICE OF OUR LONG WOVEN TAPES. DESIGNED FOR ORDINARY WORK.

This popular priced tape would be convenient in every home, and particularly on the farm, where long measurements are often to be taken.

Half inch wide cotton line, clearly marked and well coated. Sheet steel case, brass bound, with sides cream enameled. Brass folding handle and trimmings.

WITH ONE-HALF INCH COTTON TAPES

Mar	ked feet and ir	ches, one	side only		
No.	710 711	713	714	715	716
Length, feet	25 33	50	66	75	100
Weight per doz., lbs.	31/4	4	51/4	53/4	7
Price, per doz	60 \$7.20	\$9.00	\$10.80	\$13.20	\$16.20

Marked metric and English One side metric (metres to centimetres throughout)

One side English	frest one me	- 4 3 E 10 J		
No	713ME	714ME	71514ME	716ME
- ingiti, metres	15	20	25	30
Translating Teat	50	66	82	100
Transport Der dor the	4	51/4	6	7
Price, per doz \$9 60	\$12.60	\$15.00	\$20.40	\$22.80

Packing: One in a box, 1/2 doz. in a carton

THE UFKIN

RULE CO.



"UNIVERSAL" TAPES

Medium Grade

EXTRA GRADE COTTON LINE IN ENAMELED METAL CASE

Line clearly marked and well coated. Sheet steel case, brass bound, with sides maroon enameled. Brass folding handle and trimmings.

WITH ONE-HALF INCH EXTRA GRADE COTTON TAPES

Marked feet and inches, one side only

No 720	721 33	723 50	724 66	725 75	726 100
Weight per doz., lbs 23/4	31/4	\$11.40	\$13.20	51/4 \$15.60	\$19.20
Price per doz\$8.40	\$9.00	211.40	412140		

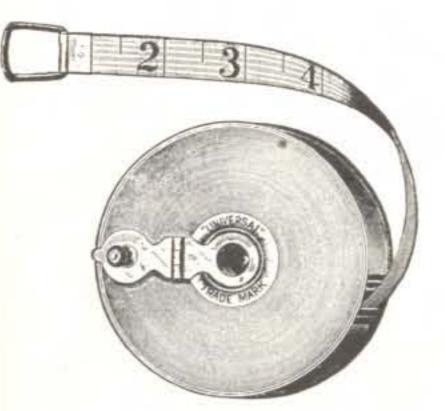
Marked metric and English

One side metric (metres to centimetres throughout)
One side English (feet and inches)

721ME	723ME	724ME	725 1/2 ME	726ME
No	15	20	25	30
Length, metres	50	66	82	100
Length, feet	4	51/4	6	7
Weight per doz., lbs	\$14.40	\$17.40	\$22.80	\$25.80

Packing: One in a box, 1/2 doz. in a carton

NOTE-For this line in pressed leather case, see page 53



"UNIVERSAL" TAPES Extra Grade

WIDELY KNOWN AS THE "RAILROAD TAPE", SEE PARTICULARLY No. 733R.

AN INEXPENSIVE, YET STRONG TAPE, AFFORDING A VERY FAIR

DEGREE OF ACCURACY FOR A WOVEN LINE

This tape we recommend for any rough measuring. Wherever tried out it is rapidly replacing cheap cotton tapes.

ROSE TOOLS, INC.

The line is extra durable, being corded with pure, unbleached linen. It is 1/2 inch wide and well coated. Sheet steel case, brass bound, with sides maroon enameled. Brass folding handle and trimmings.

The Reinforced Tape, No. 733R, Is An Especially Good Value. It Is Standard Equipment of Most Railroads for Common Maintenance Work. It Has First Three Feet of Tape Double and Stitched. This Prolongs the Life of the Tape, the First End Receiving By Far the Most Wear.

WITH ONE-HALF INCH LINEN CORDED TAPES

Marke	d fe	et and in	ches, one	side onl	у		
No	730	731	733	733R	734	735	736
				(reinforce	ed)		
Length, feet	25	33	50	50	66	75	100
Weight per doz., lbs	23/4	31/2	41/4	41/2	51/2	6	7
Price, per doz\$9	00.0	\$10.20	\$14.40	\$16.80	\$16.20	\$18.00	\$22.20

Marked metric and English

No	1ME	733ME	(feet and inch 733R-ME (reinforced)	734ME	735 14 ME	736ME
Length, metres.	10	15	15	20	25	30
Length, feet	33	50	50	66	82	100
weight per doz. the	31/2	41/4	41/2	51/2	61/4	7
Price, per doz \$1	2.00	\$17.40	\$19.80	\$20.40	\$25.20	\$28.80

Packing: One in a box, 1/2 dozen in a carton

For 15 inch and 15 inch lines corded lines in genuine leather cases, see pages 54 and 55.

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"UNIVERSAL" TAPES Extra Grade

PREFERRED BY SOME TO A METAL CASE, YET LOWER IN PRICE THAN THE GENUINE LEATHER

This is our linen corded line like the No. 730 and 930 series but put up in

A strong tape with very fair degree of accuracy for a woven line. Half case of medium grade. inch wide, corded with pure unbleached linen, and well coated. Pressed leather case of russet color. Heavy brass folding handle, brass trimmings.

WITH ONE-HALF INCH LINEN CORDED TAPES

	PAT ANT. N.					
No	1030 25 33/4	1031 33 4	43/4	de only 1034 66 6 \$30.60	1035 75 6½ \$33.00	1036 100 73/4 \$38.40

Marked metric and English

One side metric (metres to centimetres throughout)

One side English (feet and inches). 100 Length, metres..... 50 734 Length, feet 43/4 \$45.00 Weight per doz., lbs..... \$41.40 \$34.80 \$28.80 \$20.40

"UNIVERSAL" TAPES Medium Grade

EXTRA GRADE COTTON LINE IN PRESSED LEATHER CASE

Line clearly marked and well coated. Put up in pressed leather case of russet color. Heavy brass folding handle, brass trimmings.

WITH ONE-HALF INCH EXTRA GRADE COTTON TAPES

WITH ON	C-FIFELD .	feet and in	ches, one sid	le only	***	1026
No	1020 25 3½	33 33/4	1023 50 4½ \$20.40	1024 66 6 \$22.80	1025 75 61/4 \$25.80	100 71/2 \$32.40

Marked metric and English

One side metric (metres to One side English			1025 14 ME	1026ME
1021ME	1023ME	20	25	100
Land metres	50	66	82	71/2
Length, feet	\$24.00	\$27.60	\$33.60	\$38.40
Weight per doz., 10s. \$16.20	\$24.00	day in a	carton	-

Packing: All above, one in a box, 1/2 doz. in a carton NOTE-For 1030 series line in leather case, see page 54; and in enameled metal case, see page 52.

For 1020 series tapes in enameled metal case, see page 51



"UNIVERSAL" TAPES Extra Grade Linen corded line in leather case

FOR THOSE WHO WISH A GOOD YET MEDIUM PRICED TAPE

This is our lowest priced woven tape in genuine leather case.

ROSE TOOLS, INC.

The line is durable, being corded with pure, unbleached linen. It is 1/2 inch wide and well coated. It has a very fair degree of accuracy for a woven line. Case is of genuine russet leather, hand-stitched and with metal liner. Heavy brass folding handle, brass trimmings.

WITH ONE-HALF INCH LINEN CORDED TAPES

Marked feet and inches, one side only

No	930	931	933	934	935	936
Length, feet	25	33	50	66	75	100
	13/4	51/2	61/2	7.3/4	8	11
Price, per doz\$24	.60	\$27.00	\$31.80	\$33.60	\$36.00	\$40.80

Marked metric and English

One side metric (metres to centimetres throughout)

No	933ME	934ME	935 1/2 ME	936ME
Length, metres	15	20	25	30
Length, feet	50	66	82	100
Weight per doz., lbs 51/2	61/2	73/4	81/4	1.1
Price, per doz \$29.40	\$34.80	\$38.40	\$43.80	\$47.40

Packing: One in a box, 1/2 doz. in a carton

NOTE-For this tape % inch wide, see page 55. For this tape in metal case, see page 52. For this tape in pressed leather case, see page 53.

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"UNIVERSAL" TAPES Extra Grade Linen corded line in leather case

THE WIDTH AND WEAVE GIVE THIS TAPE EXTRA DURABILITY

Exactly same as No. 930 series, page 54, but with tape 3/8 inch wide, affording greater durability and more prominent figures.

This line is corded with pure, unbleached linen and is well coated. It has great tensile strength and holds its length well. Case of genuine russet leather, hand-stitched, and with metal liner. Heavy brass folding handle, brass trimmings.

WITH FIVE-EIGHTHS INCH LINEN CORDED TAPES

Marked	feet	and	inches,	one	side	only
--------	------	-----	---------	-----	------	------

	Control of the Control			7. 6	245	946
No	940 25	941 33	943 50	944 66	945 75	100
Weight per doz., lbs	51/4 \$27.00	\$29.40	\$36.00	\$38.40	\$40.80	\$45.00

Marked metric and English

One side metric (metres to centimetres throughout)

One side I	nglish	(lest and mer		DATE TO ME	946ME
94	11ME	943ME	944ME	94514ME	
No	10	15	20	25	30
Length, metres	4.0	50	66	82	100
Length, feet	33	63/4	9	91/2	1.1
Willahe per doz. Iba.	11.80		\$42.60	\$48.00	\$51.60
Price, per doz.					

Packing: One in a box, 1/2 doz. in a carton



POCKET LINEN TAPES

ROUND-EDGE, NICKEL PLATED CASES, SPRING-WIND, CENTER STOP

These are our best woven pocket tapes. They are, in a fabric line, the equivalent of the No. 143 Pocket Steel Tapes, page 39. The lines are enameled linen, woven to width in our own factories.

Pocket Linen Tapes, appealing also to the ladies, are sold through many

channels.

ROSE TOOLS, INC

WITH ONE-QUARTER INCH LINEN TAPES

Marked	nches to othe, one i	nge omy	
No	173	175	176
Length	36 inch	60 inch	72 inch
Weight per doz., lbs	3/4	1	11/4
Price, per doz	\$6.60	\$7.80	\$9.00
The state of the s	Dal	- store other side	

WITH FIVE-SIXTEENTHS INCH LINEN TAPES

No. 188 Length, 96 inches. Weight per doz., 2 lbs. Price, per doz......\$15.00

NOTE-For Pocket Steel Tapes, see pages 39, 40 and 41.



"MARVEL" POCKET LINEN TAPES

SQUARE-EDGE, NICKEL PLATED CASES, SPRING-WIND, CENTER STOP

Our popular priced linen pocket tapes, a companion line to the "Marvel" Pocket Steel Tapes, page 41. These tapes also sell in quantities through the department stores, novelty shops and bazaars, as well as the hardware trade.

One-quarter inch wide enameled linen tapes (woven to width).

The "Marvel" is a good medium grade tape.

WITH ONE-QUARTER INCH LINEN TAPES

Marked in	ches to 8ths, one	side only	
No.	3173	3175	3176
welle th	4.65 1.71.7-75	60 inch	72 inch
Weight per doy lbe	3/4	45.40	16.00
Price, per doz.	\$3.60	\$5.40	\$6.00

NOTE—For "Marvel" Pocket Steel Tapes, see page 41.



"UNIVERSAL" POCKET TAPES

SOUARE-EDGE, NICKEL PLATED CASES, SPRING-WIND, CENTER STOP

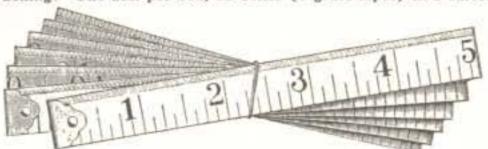
These tapes, while selling at a popular price, are attractive and serviceable. Sixty-inch, painted cotton lines, 1/4 inch wide, woven to width so they will not fray out.

Packed in very attractive colored display boxes of one dozen. This box sits inclined, showing the goods to best advantage on counter, in show case, or window

These tapes sell in quantities at dry goods, department and general stores, novelty shops and bazaars, as well as through the hardware trade

No. 165 Marked inches to 8ths, one side only
No. 165 Length, 60 inches. Weight per gross, 9 lbs. Price, per gross... \$24.00

Packing: One doz. per box, 12 boxes (1 gross tapes) in a carton



TAILORS AND DRESSMAKERS TAPES

Made of double-thickness sateen, lock-stitched edge. Metal-tipped ends. Tapes carefully folded, stapled and boxed.

7/16 INCH WIDE. 60 INCHES LONG.

	7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DID 81 0 1 1 0 1	
Marked Inches and 8ths Both Sides	Marked Inches and 8ths One 3 1/2 Centimetres Other Side, (First dm in mm).		Price, Per Gross
No. 471 No. 472 No. 473	No. 471EM No. 472EM No. 473EM Average weight per gross.	Common grade, Medium grade, Best grade, 4 lbs.	\$ 7.00 8.50 12.00
	9/16 INCH WIDE. 60 INCHI	ES LONG.	
Marked Inches and 8ths Both Sides	Marked Inches and 8ths One 3 1/2 Centimetres Other Side, (First dm in mm).	Side;	Price, Per Gross
No. 491 No. 492 No. 493	No. 491EM No. 492EM No. 493EM	Common grade, Medium grade, Best grade,	\$ 8.00 10.00 14.00

Tape with Rigid Ends (Patented)

Will appeal particularly to tailors and dressmakers as it has a flexible steel insert, 6 inches long, at each end, firmly held in place. With this tape it is unnecessary to grasp the extreme end in measuring, as ends are somewhat rigid. They are, however, sufficiently flexible not to interfere with taking any circular measurement.

No. 1492 60 inch. Medium grade. 9/16 inch wide. Weight per gross, 53/4 lbs. Price, per gross......\$16.00

Packing: All Tailors Tapes, 1 dozen in a box, one gross in a carton

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SPECIAL GRADUATIONS ON WOVEN TAPES

We are prepared to put the following special graduations on woven tapes, aside from the regular or common graduations listed throughout Section Two of this catalog Prices quoted on application.

3/4 INCH METALLIC AND "STERLING" LINEN TAPES:

Feet only, not subdivided.

Burgos (Spanish Vara) measurement.

Palmos (Catalan) measurement.

Argentine Vara measurement.

Nya and Gamla (Swedish) measurements.

Norsk (Norwegian) measurement.

1/2 INCH LINEN CORDED TAPES:

Gamla (Swedish) measurement.

Norsk (Norwegian) measurement.

ROSE TOOLS, INC

1/4 INCH POCKET LINEN TAPES:

Gamla (Swedish) measurement.

Norsk (Norwegian) measurement.

POINT OF BEGINNING OF MEASUREMENTS ON WOVEN TAPES

OUR STANDARD PRACTICE ON WOVEN TAPES IS AS FOLLOWS:

All catalogued long woven tapes, single or double graduation, measure from outer end of ring.

All woven pocket tapes have blank space first end.

NOTE—Metallic and "Sterling" Linen tapes will, without extra charge, be furnished with short blank space first end when so specified.

Section Three

MECHANICAL TOOLS

SMALL TOOL DIVISION

THESE goods are the product of our Small Tool Division, a separate and entirely distinct manufacturing division of our plant, yet a unit under the same general management as the production of our Measuring Tapes, etc.

The designing and producing of these Fine Tools is in the hands of engineers and experts not only of broad experience in the making of such goods, but recognized authorities in that line.

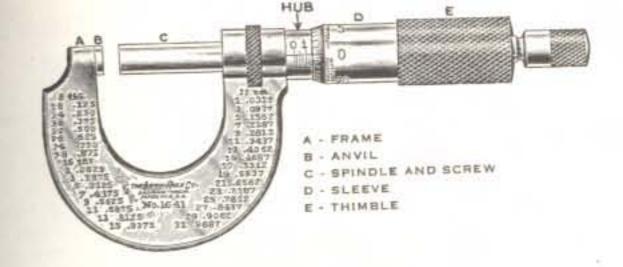
Thus in its Small Tool Division the company brings to the manufacture, inspection, etc., of these lines that specialized experience and care necessary to insure each tool coming up to the highest standard.

At the same time, being a part of the organization of The Lufkin Rule Co. and governed by the same general policies, is assurance that there will be built for this entire line the same high reputation that Lufkin Tapes and Rules have borne for many years.

Steel Scales and Folding Steel Rules we have long manufactured. A most noteworthy improvement in steel rules, Readable Graduations, was first brought out by this company some years ago. It consists of numbering the 64ths every eighth line, which greatly facilitates reading.

To the Tools shown in this Section others will steadily be added completing the line.

Lufkin Mechanical Tools have many improved and exclusive features that will make them the most popular with mechanics and dealers.



MICROMETER CALIPERS

(Pages 62 to 66 inclusive)

General Description

Lufkin Micrometers are made in various patterns and have valuable improved and patented features. Among these are simplicity of construction, ease of adjustment for wear and "Rapid Reading" of the graduations.

They are of special analysis steel, making them rigid, reliable and durable. The anvil and screw are of the finest quality tool steel, properly hardened. The anvil is forced into the frame, making it a permanent and positive part of the tool. Our Micrometers have the standard features of Lock Nut, which, given slight turn, firmly locks the spindle; Ratchet Stop, which assures the same degree of pressure being used in measuring.

ROSE TOOLS, INC. Our Micrometers are furnished with either the Full Finished or Enameled type of frame. While many prefer the more expensive Full Finished frame, we emphasize that our Enameled Frame Micrometers are of the same materials and construction throughout and have the same degree of accuracy as those with Full Finished frames.

We list Micrometers in the following three kinds of graduation or marking:

Micrometers reading to thousandths of an inch.

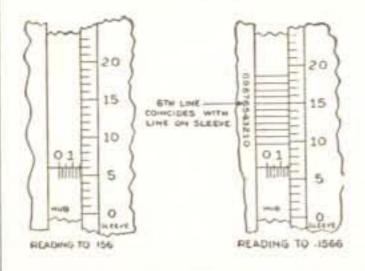
Micrometers reading to ten-thousandths of an inch.
(By means of vernier graduations on the hub).

Metric Micrometers reading to hundredths of a millimetre.

A most important feature in any Micrometer is the provision made for adjustment for wear on the face of anvil and spindle, and for tension, and the ease and accuracy with which such adjustment can be made by the mechanic. Our method and the tool for the work (a combined frictional and spanner wrench furnished with each Micrometer) is ideal for these purposes. Knurled thimble "E", being a permanent part of screw "C", the Line of Reading on our Micrometers Always Remains in its Original Position, Directly Before the Eye. Our distinctive Method of Adjustment Prolongs the Life and Prevents the Mutilation of the Micrometer. Furthermore, it is the Quickest and Most Simple Adjustment Embodied in Any Micrometer.

The "Rapid Reading" feature consists of numbering each thousandth graduation on the sleeve instead of every five thousandths. In this way much confusion and many possibilities of error in reading the Micrometer are eliminated. By merely adding the number of thousandths, as shown by the figures on the sleeve, to the last twenty-five thousandths line on the hub, a rapid and accurate reading is obtained.

DIRECTIONS FOR READING MICROMETER CALIPERS WITH TEN-THOUSANDTHS GRADUATIONS



Measurements to ten-thousandths of an inch are obtained by the use of a vernier, or a series of divisions placed on the hub of our Micrometer. It will be noted that these divisions on the hub are ten in number, occupying the same space as nine divisions on the sleeve, and numbered 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0.

When the Micrometer is opened for taking a measurement to thousandths, the sleeve is turned to the left and the reading taken on the hub by lines .025, .050, .075, .100. The thousandths between these points are read off from the zero line on the sleeve. Thus if the graduation line on the hub shows .025 and on the sleeve .015, the reading would be the sum of the two, or .040.

To read a Micrometer graduated to ten-thousandths, first note the reading on the hub, then the thousandths reading on the sleeve, which gives the total reading in thousandths, then add the reading of the coinciding line on the vernier. Should the reading on the vernier be the second line, which is numbered 1, add one tenthousandth; should it be the line numbered 2, add two ten-thousandths, etc.

Example

The above illustration shows a Micrometer reading .1566 inch, arrived at as follows: First read the thousandths as usual; this gives .156 inch. The number of the vernier line on the hub coinciding with a line on the sleeve is 6, indicating six ten-thousandths or .0006 inch. Adding this to .156 gives .1566 inch, which is the total reading or measurement.

DIRECTIONS FOR ADJUSTING MICROMETER CALIPERS

(This instruction accompanies each tool).



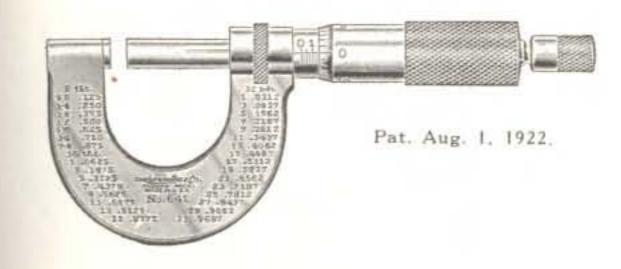
To Adjust for Wear on the Faces of Anvil and Spindle:
Clean the faces of anvil and spindle and bring them
together. Slip the frictional wrench over sleeve
"D", then hold the Micrometer and wrench in the
position here illustrated. This brings the reading
lines directly in view, so adjusting can be done in
either direction without removing the wrench.
Then grip the wrench firmly and rotate graduated
sleeve "D" until zero line of this sleeve coincides
with reading line on the hub. (Sleeve "D" is
threadedly engaged in thimble "E").

To Adjust Tension and Take Up Wear on Screw of Spindle: For this purpose the spanner end of wench fits the nut on end of hub of frame.

To Adjust Tension between Sleeve "D" and Thimble "E":

Screw sleeve "D" out of thimble "E". It will then
be noted that sleeve "D" is slotted at three points. By spreading these slots
slightly, any tension desired between the two parts can be obtained.

These methods of adjustment prevent the mutilation of the Micrometer and prolong its life.



ONE INCH MICROMETER CALIPERS

With Full Finished Frame

Rapid Reading (See page 60)

	Numb	For measuring by thousandths.	Weigh Each	Price Each
		Range, 0 to 1 inch.		
	611 621 631	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut	8 ozs.	\$ 8.50 9.50 9.00
TOOL	S, INC.	With lock nut and ratchet stop	8 ozs.	10.00

For measuring by ten-thousandths. Range, 0 to 1 inch.

611V	Plain-without lock nut or ratchet stop	8	ozs.	10.25
621 V			ozs.	11.25
631 V	With ratchet stop, without lock nut	8	ozs.	10.75
641 V	With lock nut and ratchet stop	8	ozs.	11.75

METRIC MICROMETER CALIPERS-25 MM.

For measuring by hundredths of a millimetre. Range, 0 to 25 mm.

611M 621M	Plain-without lock nut or ratchet stop	8	ozs.	8.50
Dhake.	With lock nut, without ratchet stop	8	OZS.	9.50
CATAL	With ratchet stop, without lock nut	8	075	9.00
	With lock nut and ratchet stop	8	OZS.	10.00

Regular packing: One only in hinged wooden box with clasp.

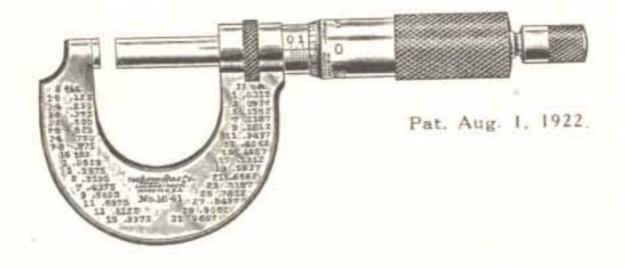
Leather case can be supplied with any above Micrometers, extra \$1.25

NOTE-For general description of Micrometer Calipers, see pages 60 and 61.

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ONE INCH MICROMETER CALIPERS With Full Finished, Cut Away Frame.

Rapid Reading (See page 60)

The frames of all Micrometers listed on this page are cut away. This makes them suitable for taking many measurements where micrometers without this feature could not be used. On these the combined depth of anvil and frame is approximately 11/32 inch (9 mm).

	ONE INCH MICROMETER CALIPERS	
Number	Weight	Price
11444	Each	Each
	For measuring by thousandths.	
	Range, 0 to 1 inch.	- DO
1611	Plain without lock nut or ratchet stop 8 ozs.	\$ 8.50 ^{RO}
1621	With lock nut without ratchet stop	9.00
1631 1641	With ratchet stop, without lock nut	10.00
	For measuring by ten-thousandths.	
	Range, 0 to 1 inch.	
*******	Plain-without lock nut or ratchet stop 8 ozs.	\$10,25
1611V 1621V	With lock nut without ratchet stop	11.25
1631V	With ratchet stop, without lock nut 8 ozs. With lock nut and ratchet stop 8 ozs.	11.75
1641V	With lock hat and reconst	
	METRIC MICROMETER CALIPERS-25 MM	
	For measuring by hundredths of a millimetre.	
	Range, 0 to 25 mm.	0.00
1611M	Plain without lock nut or ratchet stop 8 ozs.	\$ 8.50
1621M	With lock nut without ratchet stop	9.00
1631M 1641M	With ratchet stop. without lock nut 8 ozs. With lock nut and ratchet stop 8 ozs.	10.00
	Regular packing: One only in hinged wooden box with clasp.	102
Leather	r case can be supplied with any above Micrometers, extra	\$ 1.25



TWO INCH MICROMETER CALIPERS With Full Finished, Cut Away Frame Rapid Reading (See page 60)

The frames of all Micrometers listed on this page are cut away. This makes them suitable for taking measurements where Micrometers without this feature could not be used. On these the combined depth of anvil and frame is approximately 11/32 inch (9 mm).

TWO	INCH	MICROMETER	CALIPERS

1632 With Wind Wind Wind Wind Wind Wind Wind Wind	Range, 1 to 2 inches. In—without lock nut or ratchet stop. With one inch test gage. In the lock nut, without ratchet stop. With one inch test gage. In the ratchet stop, without lock nut. With one inch test gage. In lock nut and ratchet stop. With one inch test gage. For measuring by ten-thousandths. Range, 1 to 2 inches. Range, 1 to 2 inches. Range, 1 to 2 inches. Range, 1 to 2 inches.	10 ozs. 10 ozs. 10 ozs.	\$ 9.50 10.50 10.00 11.00
1632 With Wind Wind Wind Wind Wind Wind Wind Wind	rith one inch test gage. Ith lock nut, without ratchet stop. Ith one inch test gage. For measuring by ten-thousandths. Range, 1 to 2 inches. Range, 1 to 2 inches. Ith one inch test gage. Ith one inch test gage.	10 ozs. 10 ozs. 10 ozs.	10.50
1632 With With 1632V With With With With With With With With	ratchet stop. without lock nut. The one inch test gage	10 ozs.	10.00
1612V Plai With 1622V With 1632V With 1642V With W	Tith one inch test gage	10 ozs.	15000000
1612V Plai With 1622V With 1632V With With With	For measuring by ten-thousandths. Range, 1 to 2 inches. n-without lock nut or ratchet stop. ith one inch test gage. h lock nut, without ratchet stop.	10 ozs.	SERENCE S
1612V Plai W 1622V With 1632V With W 1642V With	For measuring by ten-thousandths. Range, 1 to 2 inches. n-without lock nut or ratchet stop. ith one inch test gage. h lock nut, without ratchet stop.		11.00
1622V With W 1632V With W 1642V With W	n—without lock nut or ratchet stop. ith one inch test gage	10 ozs.	
1622V With W 1632V With W 1642V With W	n-without lock nut or ratchet stop. ith one inch test gage	10 ozs.	
1632V With W With W	lock nut, without ratchet stop.	10 ozs.	
1632V With With With W			11.25
1642V With	h ratchet stop, without lock nut.	10 ozs.	12.25
W	h lock nut and ratchet stop.	10 ozs.	11.75
1	ith one inch test gage	. 10 ozs.	12.75
	METRIC MICROMETER CALIPERS—5	o MM	
	For measuring by hundredths of a millime Range, 25 to 50 mm.		
1612M Plai	n-without lock nut or ratchet stop		
16nns W	ith 25 mm test gage	. 10 ozs.	9.50
163mm W	ith 25 mm test gage	10 ozs.	10.50
I RADAY VV	ILD 23 mm test gage	10 ozs.	10.00
100	ith 25 mm test gage.		
20			11.00
NOTE E	lar packing: One only in hinged wooden box	with clasp.	

NOTE-For general description of Micrometer Calipers, see pages 60 and 61.

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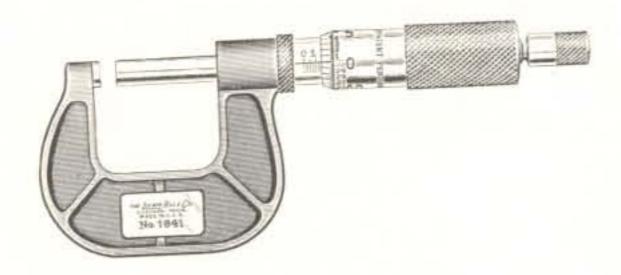
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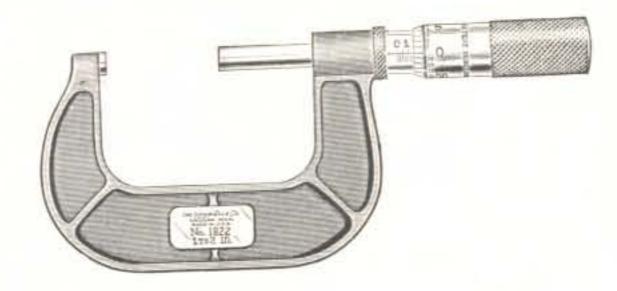
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MICROMETER CALIPERS

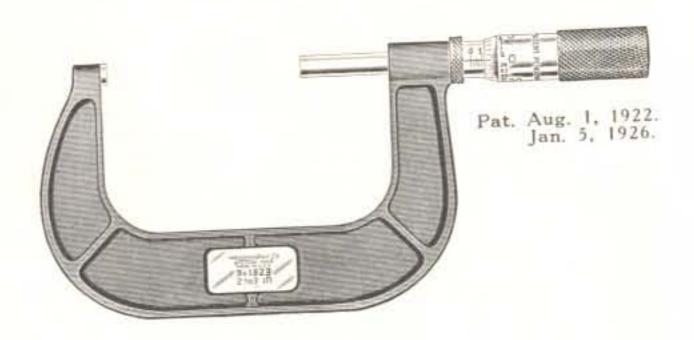
One Inch Two Inch Three Inch

With Olive Green Enameled Frame





ROSE TOOLS, INC.



MICROMETER CALIPERS

One Inch Two Inch Three Inch

With Green Enameled Frame

For Measuring by thousandths,

	Range, 0 to 1 inch			
Number		Weight Each	Price Each	
1811 1821 1831 1841	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop	8 ozs. 8 ozs. 8 ozs. 8 ozs.	\$6.25 6.75 6.75 7.25	
	For Measuring by ten-thousandths, Range, 0 to 1 inch			
1811V 1821V 1831V 1841V	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop	8 ozs. 8 ozs. 8 ozs. 8 ozs.	\$7.75 8.25 8.25 8.75	
	For Measuring by thousandths,			
	Range, 1 to 2 inches			
1812 1822 1832 1842	Plain-without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop	10 ozs. 10 ozs. 10 ozs. 10 ozs.	\$7.00 7.50 7.50 8.00	
	For Measuring by ten-thousandths,			
- X	Range, 1 to 2 inches			
1812V 1822V 1832V 1842V	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop Extra for 1 inch test gage for any of above 2 inch Micrometers	10 ozs. 10 ozs. 10 ozs. 10 ozs.	\$8.50 9.00 9.00 9.50	
	For Measuring by thousandths,			
	Range, 2 to 3 inches			
1813 1823 1833 1843	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop	12 ozs. 12 ozs. 12 ozs. 12 ozs. 12 ozs.	\$7.75 8.25 8.25 8.75	
	For Measuring by ten-thousandths,			
	Range, 2 to 3 inches			
1813V 1823V 1833V 1843V	Pla n—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop	12 ozs. 12 ozs. 12 ozs. 12 ozs.	\$9.25 9.75 9.75 10.25	
	Extra for 2 inch test gage for any of above 3 inch Micrometers. 2 and 3 inch Micrometers sent without test gage unless otherwise ordered.		1.25	
	Any of above Micrometer Calipers can be furnished with Metric Measurements at no extra charge. Specify as No. 1811M, 1812M, etc.			

Regular packing; One only in hinged wooden box with clasp.

NOTE:—For general description of Micrometer Calipers, see pages 60 and 61.

THE

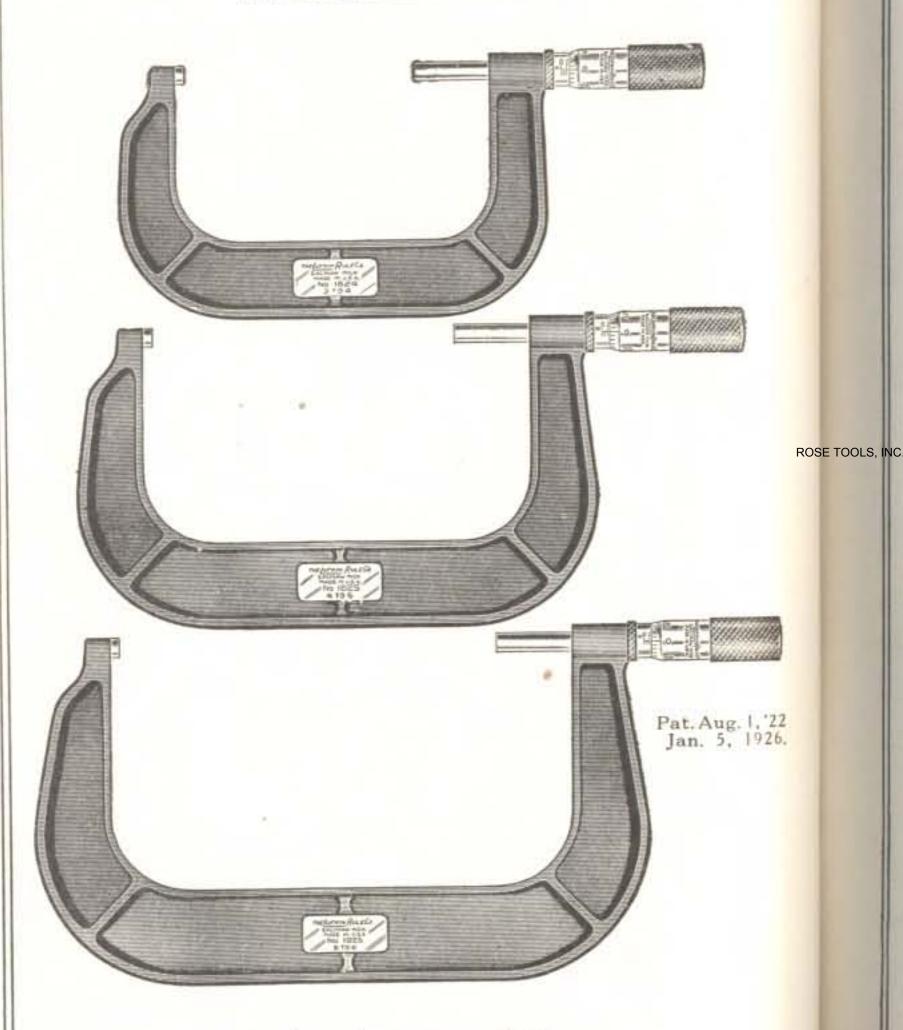
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RULE

MICROMETER CALIPERS

Four Inch Five Inch Six Inch

With Olive Green Enameled Frame



For prices, see page 65-C

MICROMETER CALIPERS

Four Inch

Five Inch

Six Inch

With Olive Green Enameled Frame

Number		Weight Each	Price Each
	For Measuring by thousandths,		
	Range, 3 to 4 inches		
1814 1824 1834 1844	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop Extra for 3 inch test gage	18 ozs. 18 ozs. 18 ozs. 18 ozs.	\$8.50 9.00 9.00 9.50
	Range, 4 to 5 inches		
1815 1825 1835 1845	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop Extra for 4 inch test gage	22 ozs. 22 ozs. 22 ozs. 22 ozs.	\$9.25 9.75 9.75 10.25
	Range, 5 to 6 inches		
1816 1826 1836 1846	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop Extra for 5 inch test gage	26 ozs. 26 ozs. 26 ozs. 26 ozs.	\$10.00 10.50 10.50 11,00 2.00
	METRIC MICROMETER CALIPERS		
	For measuring by hundredths of a millim		
	Range, 75 to 100 mm.	ctic	
1814M 1824M 1834M 1844M	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop Extra for 75 mm test gage	18 ozs. 18 ozs. 18 ozs.	\$8.50 9.00 9.00 9.50 1.50
	Range, 100 to 125 mm.		
1815M 1825M	Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut	22 ozs. 22 ozs. 22 ozs.	\$9.25 9.75 9.75
1835M	With lock nut and ratchet stop	22 ozs.	
1835M	Also and the state of the state	22 ozs.	
1835M 1845M 1816M 1826M 1836M 1846M	Range, 125 to 150 mm. Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut With lock nut and ratchet stop	26 ozs. 26 ozs. 26 ozs. 26 ozs. 26 ozs.	\$10.00 10.50 10.50 11.00
1835M 1845M 1816M 1826M 1836M	Range, 125 to 150 mm. Plain—without lock nut or ratchet stop With lock nut, without ratchet stop With ratchet stop, without lock nut	26 ozs. 26 ozs. 26 ozs.	

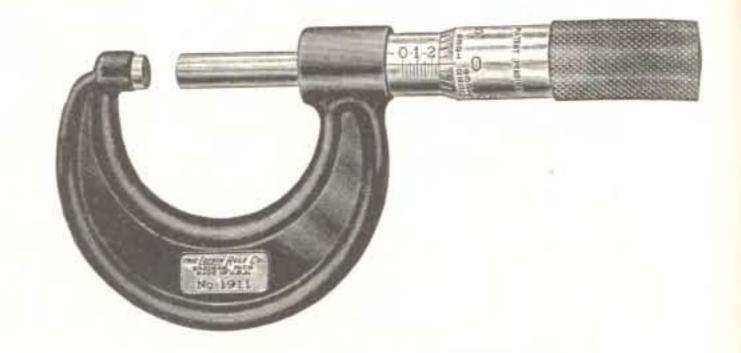
NOTE: For general description of Micrometer Calipers, see pages 60 and 61.

THE

/UFKIN

RULE





ONE INCH MICROMETER CALIPERS

With Green Enameled Frame

Rapid Reading (See page 60)

This micrometer is especially designed for production work, having a sturdy ribbed frame, to withstand the harder usage, without unusual weight It has the same smooth action and high degree of accuracy, as well as the improved adjustment features of all Lufkin micrometers.

For	measuring	by	thousandths.
	Range, 0	to	1 inch

				W.
1911	Plain, without locknut or ratchet stop	6	OZS.	\$6.25
1921	With locknut without ratchet stop	0	OZS.	6.75
1931	With ratchet stop, without locknut	6	OZS.	6.75
1941	With locknut and ratchet stop	6	ozs.	7.25

For measuring by thousandths. Range, 1 to 2 inches

\$7.00 7.50 7.50 8.00 1.00

For measuring by thousandths. Range, 2 to 3 inches

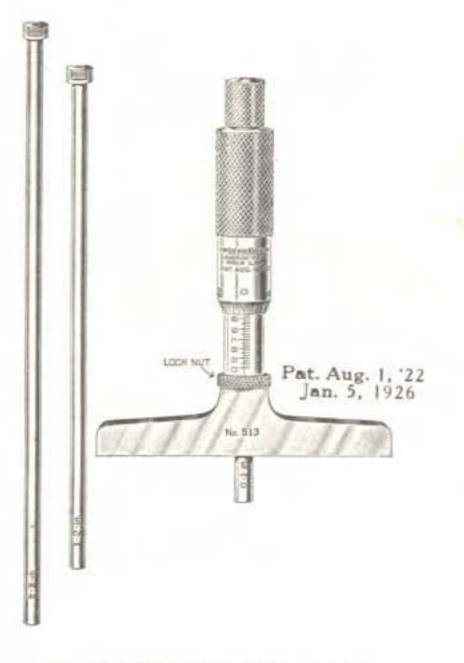
1913	Plain, without locknut or ratchet stop12	ozs.	\$7.75
the same of the sa	With locknut, without ratchet stop 12	OZS.	8.25
1923	With locknut, without fatcher stop	070	8.25
1933	With ratchet stop, without locknut 12	U.Z.S.	8.75
1943	With locknut and ratchet stop12	ozs,	1.25
	Extra for 2 inch test gage		1,20

All above Micrometers sent without test gage unless otherwise ordered.

NOTE-When Micrometers are wanted reading in ten-thousandths of an inch. add suffix "V" as 1911V. Extra for ten-thousandths, \$1.75 each.

For general description of Micrometer Calipers, see pages 60 and 61.

Packing: One in a box.



MICROMETER DEPTH GAGE

Rapid Reading (See page 60)

ROSE TOOLS, INC.

1" Movement

A gage designed for use in measuring the depth of holes, slots, etc., with micrometer accuracy. Each gage is provided with three measuring rods which permit measurements from zero to three inches by thousandths. The rods are inserted through a hole in the screw and are securely fastened by means of a knurled cap.

To compensate for wear our Micrometer Depth Gage is adjusted by the same methods as our standard Micrometer; by slipping the frictional wrench over the graduated sleeve and rotating same in either direction in the thimble until zero line coincides with reading line on the hub. Each rod is equipped with an adjusting nut to maintain their individual lengths and the end of each rod is hardened and lapped.

Each gage is equipped with a patent lock nut which permits the reading to be maintained. This is a feature found in no other Micrometer Depth Gage

Number 513	Micrometer Depth Gage—3" Base	Weight Each	Price Each
	0 to 3 inches	12 ozs.	\$10.50
515	Micrometer Depth Gage—5" Base 0 to 3 inches	18 ozs.	13.50
513M	Metric Micrometer Depth Gage 0 to 75 MM		10.50





Pat Aug. 1, 1922-July 11, 1922-Jan. 25, 1927



INSIDE MICROMETER CALIPERS

Our Inside Micrometer, consisting of the Micrometer Head and Tubular Extension rods, has many new features and improvements over any other novROSE TOOLS, INC. made.

The Micrometer Head is so designed that it will measure from 11/2 inches, a feature which, in Inside Micrometers, is found only in those of our manufacture. It permits measurements to be taken in the smaller diameters,

The extension tubes or rods are of steel tubing, making a most rigid and durable tool, yet of light weight. Each rod is marked with its length and is attached to the Micrometer Head by removing the hardened end or anvil with the frictional wrench. The rods can be added to either or both ends of the Micrometer Head as illustrated above, which allows one to keep the head in the center of the tool, preserving the balance. This is a very important feature.

A handle is furnished with the Inside Micrometer sets No. 680A and 680B. This handle is designed so that it can be attached to any part of the Micrometer Head or extension rods. Thus perfect balance and feel are maintained which are essential to accuracy.

To compensate for wear the Micrometer Head is adjusted by the same methods as our standard Micrometer; by slipping the frictional wrench over the graduated sleeve and rotating same in either direction in the thimble until zero line coincides with reading on the hub. The tension on the screw of the spindle is adjusted by the spanner end of the wrench. All extension rods are equipped with a hardened anvil and a means of adjustment for maintaining their individual lengths.

Micrometer sets No. 680A and 680B have a 1/2 inch movement of the screw while sets No. 681C, 681D and 681K have a one inch movement. Set No. 6801D has both the 1/2 inch movement and one inch movement heads, being a combination of Micrometer Sets No. 680A and 681D.

Each Micrometer Set is packed in a nicely finished wooden box as illustrated above.

NOTE- Extra extension rods to increase the range of a set can be supplied at reasonable prices.

INSIDE MICROMETER CALIPERS

For Measuring By Thousandths of An Inch

Number		Weight Each	Price Each
680A	Inside Micrometer Range, 1½ to 8 inches with 5 measuring rods	35.30	to the later
680B	Inside Micrometer Range, 1½ to 12 inches with 8 measuring rods	2 ozs.	15.00
681C	Inside Micrometer Range, 4 to 24 inches with 7 measuring rods	27 ozs.	18.00
681D	Inside Micrometer Range, 4 to 32 inches with 8 measuring rods	9 ozs.	20.00
681K	Inside Micrometer Range, 4 to 40 inches with 10 measuring rods4	8 ozs.	24.00
6801D	Inside Micrometer Set Range, 1½ to 32 inches with ½" and 1" movement Micrometer Heads and 10 measuring rods		30.00

METRIC INSIDE MICROMETER CALIPERS

For Measuring by Hundredths of a Millimetre

680M-A	Inside Micrometer Range, 40 to 200 mm with 6 measuring rods 8½	ozs.	\$12.00
680M-B	Inside Micrometer Range, 40 to 300 mm with 8 measuring rods12	ozs.	15.00
681M-C	Inside Micrometer Range, 100 to 600 mm with 7 measuring rods27	ozs.	18.00
681M-D	Inside Micrometer Range, 100 to 800 mm with 8 measuring rods39	ozs.	20.00
681M-K	Inside Micrometer Range, 100 to 1000 mm with 10 measuring rods. 48	ozs,	24.00

Regular Packing: One only in hinged wooden box with clasp.

THE

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RULE

This SURFACE GAGE embodies all the latest improvements in construction and design.

The base is well proportioned, the bottom and end being grooved out for cylindrical work. Four gage pins, used as guides on linear work, are especially important.

The spindle is made of rigid hollow steel tubing and being light, will never cause any tipping of the base. When used with attachments. It can be used upright, at any angle or such that the scriber can be used below the base. For small work the spindle may be removed and the scriber inserted thru the hole in the rotating head fitted for that purpose. The holes, thru which the spindle and scriber pass, are kept in alignment at all times by means of small set screws.

After the spindle is clamped in the approximate position desired, the fine adjustment nut at one end is used to get the exact setting. This adjustment nut works against a stiff spring at the other end and allows a larger range of adjustment than any other similar gage.

The length of the spindle as listed is the exact length and does not include the base.

The base of the gage is finished in mottled blue with a l l measuring faces ground and polished.

No.			Each	Each
520A	31/4" hase	9" spindle 9" and 12" spindle 12" spindle	s3 lbs.	6.00

Packing: One in a box.

COMBINATION SQUARES — BEVEL PROTRACTORS COMBINATION SETS

(Pages 72 to 83 inclusive)

General Description

These are tools with so many and such varied uses as to be almost indispensable to all mechanics in metal working, machinists, pattern makers, and others. They consist of a steel rule (or blade), on which slide the square head (or stock), the center head and the protractor head, singly or in sets.

"Junior" Squares are an entirely new line but meet a need that has long existed. Being small and light weight, they will appeal particularly to tool and die makers.

Our Squares have many improved features. Accuracy and provisions to insure continued accuracy in use are the first consideration in their design and manufacture.

The blades are machine divided, markings being most legible. Enameled parts of the heads are in a handsome olive drab. All heads can be accurately, quickly and securely set at any point along the blade, or blade entirely removed for use as a separate rule. The square head has square and mitre faces, and on all sizes, except the 4-inch standard and the 6-inch "Junior" Square, is equipped with level glass and steel scriber. There is good clearance around all set nuts, and over the level glasses.

Lufkin Squares handle nicely, and present a well balanced, fine appearance. All parts are interchangeable.

Below are mentioned but a few of their many uses.

ROSE TOOLS, INC.

COMBINATION SQUARES

These consist of blade with square head, or with square and center heads. They serve as both try and mitre squares, and, the blade being adjustable in length by moving the head, they take the place of a whole set of common squares. They are very handy for accurately transferring measurements and for laying out work. Square face of head set flush with end of blade converts the tool into a height gage for ordinary uses, and setting it at desired distance from end of blade makes it a marking gage; so adjusted it will also serve as a depth gage for measuring and squaring in mortises, etc. The scriber is always conveniently at hand. The stock can be used as a simple level, and, with the blade, for squaring and leveling surfaces one with another.

With the center head, centers of all cylindrical work can be determined. The arms of Lufkin center heads are ground to equal length and have ends uniformly machined, greatly increasing the range of the tool by giving accurate results on work of large as of small diameter

BEVEL PROTRACTORS

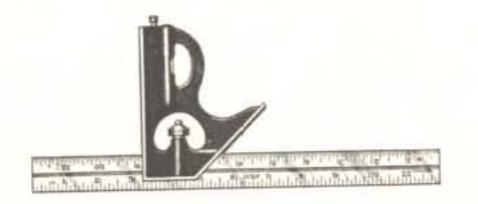
These are the graduated blade fitted with protractor head, single or double type, otherwise known as plain and reversible, i. e., with shoulder extending from one side only or both sides of blade. Our protractor heads are so constructed that the double can be readily converted into the single type, the one tool thus serving all purposes of both styles. The revolving turret is accurately marked with degrees from 0 to 90 right and left. Having two thumb screws, it can be securely set at any angle. All our protractor heads are equipped with level glass.

COMBINATION SETS

Graduated blade with square, center and protractor heads, a tool serving all the purposes of the Combination Square and Bevel Protractor. These Combination Sets have more applications in use than any other tool made for mechanics.

THE UFKIN RULE CO.

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COMBINATION SQUARES Tempered Blade

Number

WITH No. 4 GRADUATION

25 Blade With Square Head.

Blade marked 8ths, 16ths, 32nds, 64ths inch,

9 inch 12 inch 18 inch 24 inch 6 inch Length 4 inch 22 oz. 26 oz. 17 oz. 10 oz. 6 oz. Wt. each 4 oz. \$4.80 \$3.90 \$3.00 \$2.40 Price, each . . \$1.50 \$1.80 (Can be furnished in No. 7 graduation, 16ths, 32nds, 64ths, 100ths.)

GRADUATED METRIC ONLY

25M Blade With Square Head.

Blade marked, three edges in millimetres, one edge in halfmillimetres.

60 cm 50 cm 20 cm Length 10 cm 15 cm 26 oz. 22 oz. 17 oz. 10 oz. Wt. each 4 oz. 6 oz. \$4.80 \$3.90 \$3.00 \$1.80 \$2.40 Price, each ... \$1.50

GRADUATED METRIC AND ENGLISH

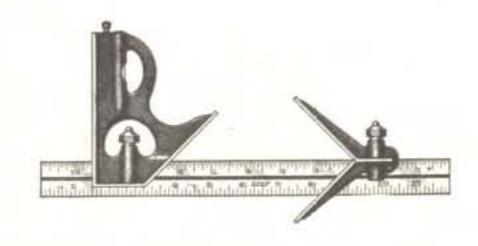
25ME Blade With Square Head.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

60 cm 30 cm 15 cm 20 cm Length 10 cm 26 oz. 22 oz. 17 oz. Wt. each 4 oz. 6 oz 10 oz. \$4.80 \$3.90 \$3.00 \$2.40 \$1.80 Price, each ... \$1.50

Packing: One in a box.

NOTE-For general description of Combination Squares, see page 71.



COMBINATION SQUARES WITH CENTER HEAD Tempered Blade

Number

WITH No. 4 GRADUATION

25C Blade With Square and Center Heads.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

12 inch 18 inch 24 inch Length 4 inch 6 inch 9 inch 30 oz. 13 oz. 21 oz. 26 oz. Wt. each 5 oz. 8 oz. \$3.00 \$3.60 \$4.50 \$5.40 Price, each ... \$2.10 \$2.40 (Can be furnished in No. 7 graduation, 16ths, 32nds, 64ths, 100ths.)

ROSE TOOLS, INC.

GRADUATED METRIC ONLY

25C-M Blade With Square and Center Heads.

Blade marked, three edges in millimetres, one edge in halfmillimetres.

Length 10 cm 15 cm 20 cm 30 cm 50 cm 60 cm Wt. each 5 oz. 8 oz. 13 oz. 21 oz. 26 oz. 30 oz. Price, each . . . \$2.10 \$2.40 \$3.00 \$3.60 \$4.50 \$5.40

GRADUATED METRIC AND ENGLISH

25C-ME Blade With Square and Center Heads.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

Length 10 cm 15 cm 20 cm 30 cm 50 cm 60 cm 26 oz. 30 oz. Wt. each 5 oz. 8 oz. 13 oz 21 oz. \$2.40 \$3.00 \$3.60 \$4.50 \$5.40 Price, each ... \$2.10

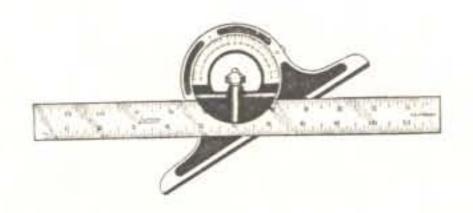
Packing: One in a box.

NOTE-For general description of Combination Squares, see page 71.

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BEVEL PROTRACTORS

Tempered Blade All heads with level

Number

5M

WITH No. 4 GRADUATION

5 Blade With Protractor Head.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length	12 inch 18 oz.	18 inch 23 oz.	24 inch 27 oz
Price, each\$4.50	\$5.10	\$6.00	\$6.90
(Can be furnished in No. 7	graduation, 16ths,	32nds, 64ths,	100ths.)

GRADUATED METRIC ONLY

Blade With Protractor Head.

Blade marked, three edges in millimetres, one edge in half-millimetres.

Length 20 cm	30 cm	50 cm	60 cm
Wt. each	18 oz.	23 oz.	27 oz.
Price, each\$4.50	\$5.10	\$6.00	\$6.90

GRADUATED METRIC AND ENGLISH

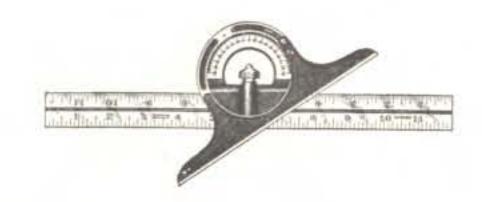
5ME Blade With Protractor Head.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

Length	30 cm	50 cm	60 cm
Wt. each 15 oz.	18 oz.	23 oz.	27 oz.
Price. each \$4.50	\$5.10	\$6.00	\$6.90

Packing: One in a box.

NOTE-For general description of Bevel Protractors, see page 71.



BEVEL PROTRACTORS

With Reversible Head Tempered Blade All heads with level

Number

6M

6ME

WITH No. 4 GRADUATION

Blade With Reversible Protractor Head.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length 9 inch	12 inch	18 inch	24 inch
Wt. each 18 oz.	21 oz.	26 oz.	30 oz.
Price, bach	\$5.70	\$6.90	\$7.50
(Can be furnished in No. 7 ;	raduation, 16ths.	32nds, 64ths.	100ths.)

ROSE TOOLS, INC.

GRADUATED METRIC ONLY

Blade With Reversible Protractor Head.

Blade marked, three edges in millimetres, one edge in half-millimetres.

Length 20 cm	30 cm	50 cm	60 cm
Wt. each, 18 oz.	21 oz.	26 oz.	30 oz.
Price, each	\$5.70	\$6.90	\$7.50

GRADUATED METRIC AND ENGLISH

Blade With Reversible Protractor Head.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

Length 20 cm	30 cm	50 cm	60 cm
Wt. each	21 oz.	26 oz.	30 oz.
Price, each \$5.40	\$5.70	\$6.90	\$7.50

Packing: One in a box.

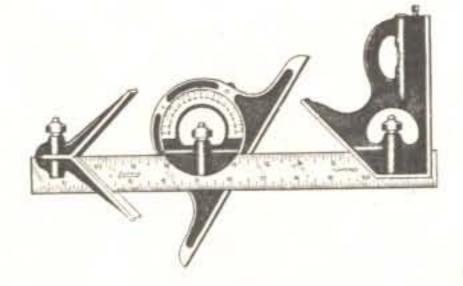
NOTE-For general description of Bevel Protractors, see page 71.

THE

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COMBINATION SETS

Tempered Blade

All square and protractor heads with level

Number

525

WITH No. 4 GRADUATION

Blade With Square, Center and Protractor Heads.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length	9 inch	12 inch	18 inch	24 inch
Wt. each		30 oz.	35 oz.	39 oz.
Price, each		\$6.60	\$7.50	\$8.40
(Can be furni	shed in No.	graduation.	16ths, 32nds, 64t	hs, 100ths.)

GRADUATED METRIC ONLY

Blade With Square, Center and Protractor Heads. 525M

> Blade marked, three edges in millimetres, one edge in halfmillimetres.

Length	. 20 cm	30 cm	50 cm	60 cm
	24 oz.	30 az.	35 oz.	39 oz.
Price, each	\$6.00	\$6.60	\$7.50	\$8.40

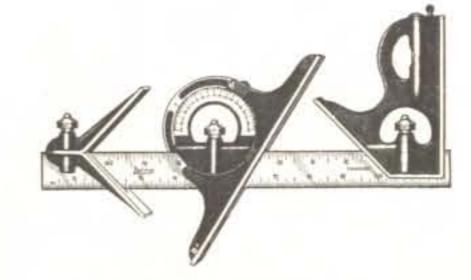
GRADUATED METRIC AND ENGLISH

Blade With Square, Center and Protractor Heads. 525ME

> Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

Length	20 cm	30 cm	50 cm	60 cm
Wt. each	. 24 oz.	30 oz.	35 oz.	39 oz
Price each	\$6.00	\$6.60	\$7.50	\$8.40

Packing: One in a box.



COMBINATION SETS

With Reversible Protractor Head Tempered Blade

All square and protractor heads with level

Number

625

625M

625ME

ROSE TOOLS, INC.

WITH No. 4 GRADUATION

Blade With Square and Center Heads, and Reversible Protractor Head.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length 9 inch	12 inch	18 inch	24 inch
Wt. each 27 oz.	34 oz.	39 oz.	43 oz.
Price, each\$7.20	\$7.80	\$8.70	\$9.60
(Can be furnished in No. 7	graduation, 16ths	32nds, 64ths,	100ths.)

GRADUATED METRIC ONLY

Blade With Square and Center Heads, and Reversible Protractor Head.

Blade marked, three edges in millimetres, one edge in halfmillimetres.

Length	30 cm	50 cm	60 cm
Wt. each	34 oz.	39 oz.	43 oz.
Price, each\$7.20	\$7.80	\$8.70	\$9.60

GRADUATED METRIC AND ENGLISH

Blade With Square and Center Heads, and Reversible Protractor Head.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

Length 20 cm	30 cm	50 cm	60 cm
Wt. each 27 oz.	34 oz.	39 oz.	43 oz.
Price, each\$7.20	\$7.80	\$8.70	\$9.60

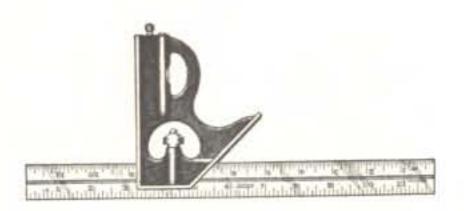
Packing: One in a box.

NOTE-For general description of Combination Sets, see page 71.

THE

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RULE



DROP FORGED COMBINATION SQUARES Tempered Blade

The square heads are drop forged and hardened. These are our highest grade Combination Squares.

Number

WITH No. 4 GRADUATION

35 Blade With Square Head.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length 6 inch Wt. ench 7 oz.	9 inch	and the second second	18 inch 24 oz.	24 inch 28 oz.
Price, each\$3.00	\$3.60	\$3.90	\$5.10	\$5.70
(Can be furnished in No. 7 grad	duation,	16ths, 32nds	64ths,	100ths.)

GRADUATED METRIC ONLY

35M Blade With Square Head.

Blade marked three edges in millimetres, one edge in halfmillimetres.

Length 15 cm	20 cm	30 cm	50 cm	60 cm
Wt. each	II oz.	19 oz.	24 oz.	28 oz.
Price, each\$3.00	\$3.60	\$3.90	\$5.10	\$5.70

GRADUATED METRIC AND ENGLISH

35ME Blade With Square Head.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

Length 15 cm	20 cm	30 cm	50 cm	60 cm
Wt. each	11 oz	19 oz.	24 oz.	28 oz.
Price, each\$3.00	\$3.60	\$3,90	\$5.10	\$5.70

Packing: One is a box.



DROP FORGED COMBINATION SQUARES, WITH CENTER HEAD Tempered Blade

The square and center heads are drop forged and hardened. These are our highest grade Combination Squares.

Number

ROSE TOOLS, INC.

WITH No. 4 GRADUATION

35C Blade With Square and Center Heads.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length 6 inch	9 inch	12 inch	18 inch	24 inch
Wt. each9 oz.	14 oz.		28 07	
Price, each\$3.90	\$4.50	\$4.80	\$6.00	\$6.60
(Can be furnished in No. 7 gra	duation	Inthe 32nds	64ths	100-1-1

GRADUATED METRIC ONLY

35C-M Blade With Square and Center Heads.

Blade marked three edges in millimetres, one edge in half-millimetres.

Length	20 cm	30 cm	50 cm	60 cm
Wt. each	14 oz.	23 oz.	28 oz.	32 oz.
Price, each\$3.90	\$4.50	\$4.80	\$6.00	\$6.60

GRADUATED METRIC AND ENGLISH

35C-ME Blade With Square and Center Heads.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

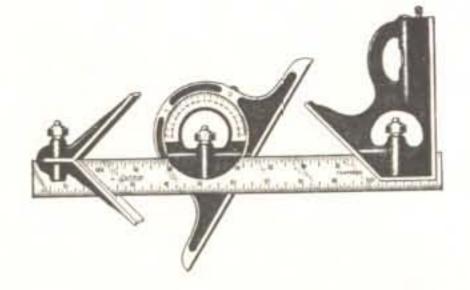
Length 15 cm	20 cm	30 cm	50 cm	60 cm
Wt. each	14 oz.	23 oz.	28 oz.	32 oz.
Price, each\$3.90	\$4.50	\$4.80	\$6.00	\$6.60

Packing: One in a box.

NOTE-For general description of Combination Squares, see page 71.

UFKIN

RULE



DROP FORGED COMBINATION SETS

Tempered Blade

The square and center heads are drop forged and hardened. Both the square and protractor head are fitted with level. These are our highest grade Combination Sets.

Number

535

WITH No. 4 GRADUATION

Blade With Square, Center and Protractor Heads.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length 9 inch	12 inch	18 inch	24 inch
Wt. each	32 oz.	37 oz.	41 oz.
Price, each \$7.50	\$7.80	\$9.00	\$9.60
(Can be furnished in No. 7	graduation, 16ths	, 32nds, 64ths,	100ths.)

GRADUATED METRIC ONLY

Blade With Square, Center and Protractor Heads. 535M

> Blade marked, three edges in millimetres, one edge in halfmillimetres.

Length	30 cm	50 cm	60 cm
Wt. each	32 oz.	37 oz.	41 oz.
Price, each\$7.50	\$7.80	\$9.00	\$9.60

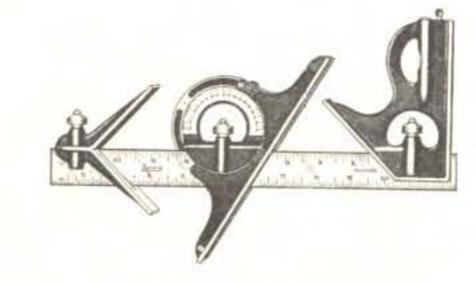
GRADUATED METRIC AND ENGLISH

Blade With Square, Center and Protractor Heads. 535ME

> Blade marked, one side half-millimetres and 32nds inch: other side millimetres and 64ths inch.

Length 20 cm	30 cm	50 cm	60 cm
Wt. each 26 oz.	32 oz.	37 oz.	41 02.
Price, each \$7.50	\$7.80	\$9.00	\$9.60

Packing: One in a box.



DROP FORGED COMBINATION SETS

With Reversible Protractor Head

Tempered Blade

These are our highest grade Combination Sets. The square and center heads are drop forged and hardened. Both the square and protractor head are fitted with level.

Number

635M

635ME

ROSE TOOLS, INC

WITH No. 4 GRADUATION

Blade With Square and Center Heads, and Reversible Pro-635 tractor Head.

Blade marked 8ths, 16ths, 32nds, 64ths inch.

Length	12 inch	18 inch	24 inch
	36 oz.	41 oz.	45 oz.
	\$9.00	\$10.20	\$10.80
(Can be furnished in No. 7	graduation, 16ths,	32nds, 64ths,	100ths.)

GRADUATED METRIC ONLY

Blade With Square and Center Heads, and Reversible Protractor Head.

Blade marked three edges in millimetres, one edge in halfmillimetres.

Wt. each2	20 cm	30 cm	50 cm	60 cm
Price, each		59.00	\$10.20	\$10.80

GRADUATED METRIC AND ENGLISH

Blade with Square and Center Heads, and Reversible Protractor Head.

Blade marked, one side half-millimetres and 32nds inch; other side millimetres and 64ths inch.

Wt. each	30 cm	50 cm	60 cm
	36 ez.	41 oz.	45 oz.
Price, each\$8.70	\$9.00	\$10.20	\$10.80

Packing: One in a box.

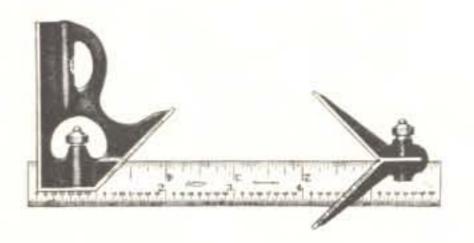
NOTE-For general description of Combination Sets, see page 71.

NOTE-For general description of Combination Sets, see page 71.

THE

/UFKIN

RULE



DROP FORGED COMBINATION SQUARES

Tempered Blade

With Readable Graduations

These Drop Forged Squares are same general pattern as our No. 35 line, but with smaller Square and Center Heads and narrower blades than the corresponding lengths in that line. Because of their size and weight they will appeal particularly to tool and die makers, pattern makers and others. Blades have No. 4 graduation, 8th, 16ths, 32nds and 64ths inch. A distinctive feature is Readable Graduations, 64ths numbered every 8th division, which greatly facilitates reading.

Number

Made in 6-inch size only.

WITH No. 4 GRADUATION

135	Blade With Square Head.
	Blade marked 8ths, 16ths, 32nds, 64ths inch. With readable graduations.
	Length

DROP FORGED COMBINATION SQUARES, WITH CENTER HEAD Tempered Blade

Price, each \$3.50

With Readable Graduations.

135C Blade With Square and Center Heads.

Blade marked 8ths, 16ths, 32nds, 64ths inch. With readable graduations.

Length .	.6 inch
Wt each	6 ozs.
Price, each	\$4.40

Packing: One in a box.

NOTE-For general description of Combination Squares, see page 71.

SEPARATE PARTS OF COMBINATION SQUARES—BEVEL PROTRACTORS COMBINATION SETS

THE [UFKIN RULE CO.

In Ordering Any Head Always Specify Length Blade On Which It

Is To Be Used.

For Nos. 25, 25C, 5, 6, 525, 625.

			Center
Length	Blade	Stock	Head
4 inch (10 cm) Each	\$0.80	\$0.90	\$0.75
6 inch (15 cm) "	1.20	.90	.75
9 inch (20 cm) "	1.50	1.20	.75
12 inch (30 cm) "	1.90	1.50	.75
18 inch (50 cm)	3.00	1.50	.75
24 inch (60 cm) "	3.90	1.50	.75
Scriber	s	Each, \$0.15	

For Nos. 35, 35C, 535, 635, 135, 135C.

STOCK AND CENTER HEADS DROP FORGED AND HARDENED

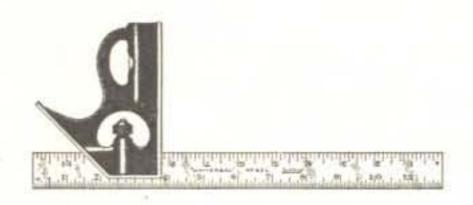
			Center
Length	Blade	Stock	Head
OSE TOOLS, INC. inch (10 cm) Each	\$0.80	\$1.90	\$1.50
6 inch (15 cm) "	1.20	2.00	1.50
6 inch (15 cm) "			
Blade with readable			
GraduationsEach	1.70		
9 inch (20 cm) "	1.50	2.20	1.90
12 inch (30 cm) "	1.90	2.40	1.90
18 inch (50 cm) "	3.00	2.40	1.90
24 inch (60 cm) "	3.90	2.40	1.90
Scribers		Each, \$0.15	
Bolt, N	ut and Spring	Each, \$0.40	

PROTRACTOR HEADS ONLY

For Nos. 5, 6, 525, 625, 535, 635.

Number 05	Protractor Head (no For 9-inch blade For 12, 18 or 24-inc		Price,	each,	\$3.00 3.00
Number 06	Reversible Protractor For 9-inch blade	r Head.	Detec	anah	e4 20
	For 12, 18 or 24-incl				

NOTE-Prices on this page apply also to parts of M and ME Combination Squares, Bevel Protractors and Combination Sets.



"UNIVERSAL" TRY AND MITRE SQUARES FOR CARPENTERS

(And All Woodworkers)

WITH LEVEL - WITHOUT LEVEL

These squares are designed especially for the use of carpenters and all other woodworkers. They combine in one tool the try and mitre squares with blade adjustable in length, the level and plumb, marking gage, height and depth gage, and separate rule. While popular priced, they are accurate, durable, and well designed.

> They consist of a graduated steel blade, grooved on one side and fitted with metal head, which, by means of a convenient thumb nut, can be securely clamped at any point along the blade, and also is removable from it.

> Blade, or rule, is accurately and clearly marked on both edges of both sides. The head has square and mitre faces and is furnished with and without level glass.

Marked both sides, one edge 8ths, other edge 16ths inches.

	With Level	Without Level
No. 65L	9 inch Each, \$1.35	No. 65 9 inchEach, \$1.10
No. 65L	12 inch Each, 1.50	No. 65 12 inch Each, 1.25

Marked Metric Only. (Millimetres both edges of both sides)

	With Level	Without Level
No. 65L-M	20 cmEach, \$1.35	No. 65M 20 cmEach, \$1.10
No. 65L-M	30 cm Each, 1.50	No. 65M 30 cmEach, 1.25

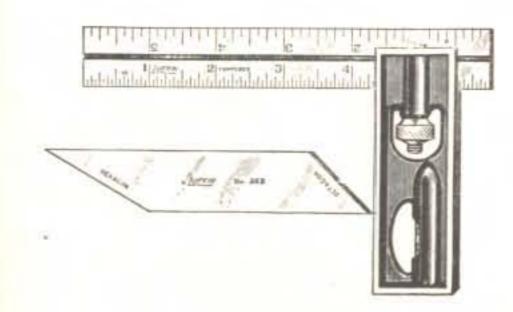
Marked Metric and English.

One side, one edge millimetres, other edge inches to 16ths. Other side, one edge millimetres, other edge inches to 8ths.

	With Level		Without Level
No. 65L-ME	20 cmEach, \$1.35	No. 65ME	20 cm Each, \$1.10
No. 65L-ME	30 cmEach, 1.50	No. 65ME	30 cmEach. 1.25

Weight each: 9 inch (20 cm), 12 ozs.; 12 inch (30 cm), 18 ozs.

Packing: One in a box.



DOUBLE SQUARES Tempered Blades

These are very convenient for pattern makers, machinists and tool makers in certain classes of work. Unlike simple try squares, the blades are adjustable in length by moving the head. Both faces of the head are square. In the 6-inch and 9-inch (15 and 20 cm) Squares, the head is equipped with

The bevel blade, illustrated above, gives hexagon and octagon angles. and is so marked, an improved feature. The drill grinding blade converts the tool into a most practical Drill Grinding Gage.

WITH No. 4 GRADUATION

Blade marked 8ths, 16ths, 32nds, 64ths inch.

OSE TOOLS, INC.		aduated Blade Only,		iduated and l Blades	and Dril	uated, Bevel l Grinding des.
Nu	mber	26A		26B		26C
	Length 4-inch	Price, Each	Length 4-inch	Price, Each \$2.00	Length	Price, Each
100	6-inch	2.40 3.60	6-inch	3.00	6-inch	\$4.25 5.45

GRADUATED METRIC ONLY

Blade marked three edges in millimetres, one edge in half-millimetres

Number	26M-A	26M-B	26M-C
	h Price, Each	Length Price, Each	Length Price, Each
15 cm	2.40 3.60	15 cm 3.00 20 cm 4.20	15 cm \$4.25 20 cm 5.45

GRADUATED METRIC AND ENGLISH

Blade marked one side half-millimetres and 32nds inch, other side millimetres and 64ths inch.

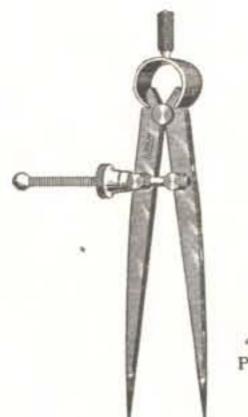
Number	26ME-A	26ME-B	26ME-C
Leng	gth Price, Each	Length Price, Each	Length Price, Each
10 c	m \$1.50	10 cm \$2.00	
15 c	m. 2.40	15 cm 3.00	15 cm \$4.25
	m. 3.60	20 cm 4.20	20 cm 5.45

Weight, each, with 2 blades; 4-inch... 2 ozs. 6-inch... 7 ozs. 9-inch... 8 ozs.

THE

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RULE





"BANNER" SPRING DIVIDERS

With Solid Nut.

With "Quick Nut"

This is the type of Spring Divider most widely used. In these Dividers each part is made of steel best suited to the purpose. The points are properly hardened and the heavy bow spring insures reliability. These tools are correct in shape and size and have a fine uniform finish.

Of the two kinds listed below the Divider with solid nut is most popular.

WITH SOLID NUT

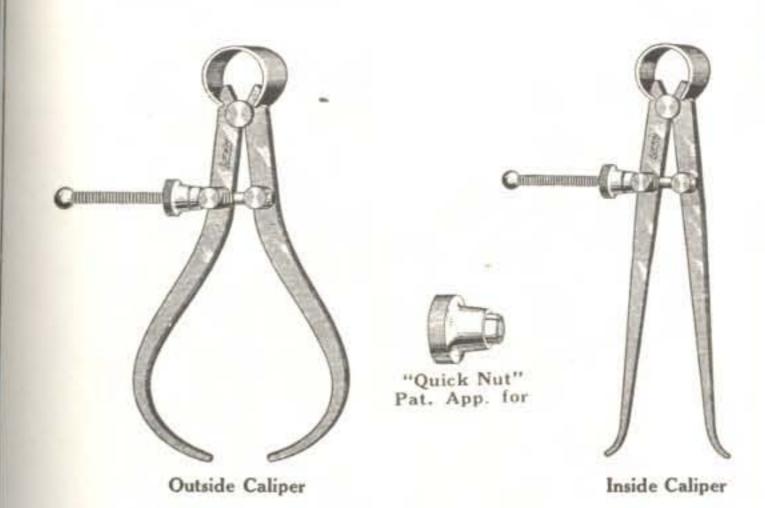
		No. 40			
Length 2½ inch	3 inch	4 inch	5 inch	6 inch	8 inch
Wt. per dozen ½ lb.	3/4 lb.	11/4 lb.	1½ lb.	21/4 lb.	4 lb.
Price, each \$0.80	\$0.85	\$0.90	\$1.00	\$1.05	\$1.35

WITH "QUICK NUT"

The Quick Nut is designed for making quick adjustments. On release of pressure this nut slides freely over the threads of the screw, but on slightest pressure grips the screw firmly.

	1	No. 50			
Length 2 ½ inch	3 inch	4 inch	5 inch	6 inch	8 inch
Wt. per dozen ½ lb.	3/4 lb.	11/4 lb.	1½ lb.	21/4 lb.	4 lb.
Price, each \$1.00	\$1.05	\$1.10	\$1.15	\$1.20	\$1.50

Packing: Three in a box.



"BANNER" OUTSIDE AND INSIDE SPRING CALIPERS

With Solid Nut.

ROSE TOOLS, INC.

With "Quick Nut"

These Spring Calipers are the type most widely used. All parts are made of steel best suited to the purpose, and those subject to wear are properly hardened. Stiff flat bow spring insures reliability. These tools are correct in shape and size and have a fine, uniform finish.

The inside type can be used as a Transfer Caliper, as the legs can be sprung in and withdrawn after calipering, and when released will spring back and show the size calipered.

The Quick Nut is designed for making quick adjustments. On release of pressure this nut slides freely over the threads of the screw, but on slightest pressure it grips the screw firmly.

Of the two kinds listed below, solid nut and Quick nut, the former is the most popular.

OUTSIDE CALIPERS WITH SOLID NUT

OUTSIDE	CALIPER	RS WIT	H SOLID	NUT	
	N	o. 41			
Wt. per dozen	3 inch 3/4 lb. \$0.85	4 inch 1½ lb. \$0.90	5 inch 134 lb. \$1.00	6 inch 2½ lb. \$1.05	8 inch 43/4 lb. \$1.20
OUTSIDE	CALIPERS	WITH	"QUICK	NUT"	
		o. 51			
Length, 234 inch Wt. per dozen 1/3 lb. Price, each \$1.00	3 inch 3/4 lb. \$1.05	4 inch 1½ lb. \$1.10	5 inch 134 lb. \$1.15	6 inch 2½ lb. \$1.20	8 inch 4 3/4 lb. \$1.40
INSIDE	CALIPERS	WITH	SOLID	NUT	
	N	0. 42			
Length 2 1/2 inch Wt. per dozen 1/2 lb Price, each \$0.80	3/4 Ib.	1 1/4 lb.	5 inch 1½ lb. \$1.00	6 inch 2½ lb, \$1.05	8 inch 4 lb. \$1.20
INSIDE C	ALIPERS	WITH	"QUICK	NUT"	
	No	0. 52			
Length 2½ inch Wt. per dozen½ lb Price, each \$1.00	3/1 lb.	4 inch 11/4 lb. \$1.10	5 inch 1½ lb. \$1.15	6 inch 2½ lb. \$1.20	8 inch 4 lb. \$1.40

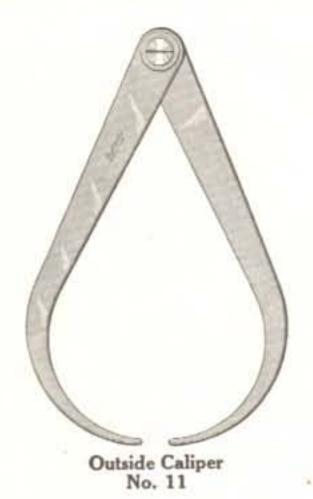
Packing: Three in a box.

THE

UFKIN

RULE







FIRM JOINT OUTSIDE AND INSIDE CALIPERS

The distinctive feature of these Firm Joint Calipers is the adjustable joint. Lock screw construction enables one to set and hold the legs to any desired tension or friction.

These tools are of sturdy construction throughout, smooth working, nicely proportioned, and have a fine, uniform finish.

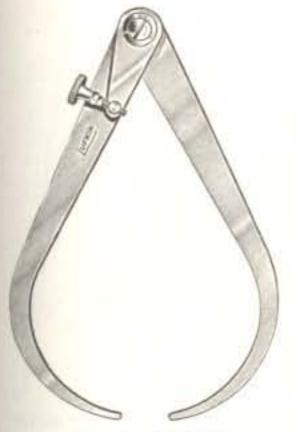
All sizes below refer to lengths of legs. Actual capacity of the Calipers is about one-quarter greater than this length.

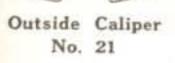
FIRM JOINT OUTSIDE CALIPERS

FIRM JOINT INSIDE CALIPERS
No. 12

No. 11

S	izes	Price	e, Each
3	inch		0.50
4	**		.60
5	**		.70
6	44		.80
8	**		1.00
10	**		1.10
12	44	*******	1.20
14	44		1.80
16	44	*********	2.10
18	84		2.55
20	195		3.00
24	**		3.60
*30		TYTOTYTTTTT	6.00
*36		s made in the outside	7.20







No. 22

SCREW ADJUSTING FIRM JOINT CALIPERS

rose tools, INC. The Screw Adjusting Firm Joint Caliper is used for quickly taking fine measurements. The joint can be set to any desired tension; the legs are stiff and well proportioned, and the tool is finely finished throughout.

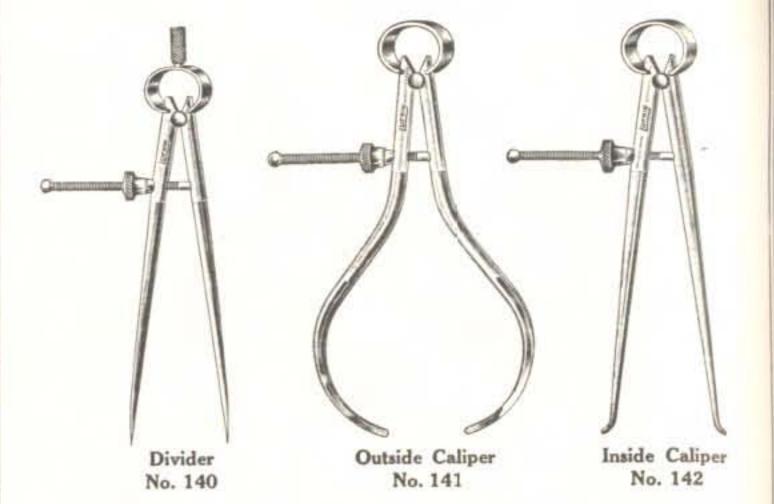
All sizes below refer to length of legs. Actual capacity is about one-quarter greater than this length.

No. 2	1			
	Size	18	Price,	Eacl
	4 i	nch		\$1.1
	6 i	nch		1.20
	8 i	nch	navana ana	1,50
	10 i	nch	***************************************	.1.80
	12 i	nch		2.10
	14 i	nch		2.40
	20 i	nch		3.30
	24 i	nch		4.20

Packing: 4 to 12 inch—3 per box.

14 to 20 inch—2 per box.

24 inch-wrapped one in a package.



TOOLMAKERS SPRING CALIPERS AND DIVIDERS Round Leg Pattern.

This is the type of Caliper and Divider preferred by fine mechanics.

The legs are of round stock, nicely tapered by swaging. The adjustment screw is mounted central with the legs, avoiding all torsion on legs and spring. These features add to the stability of the tool. The legs are finely formed. Stiff flat bow spring insures reliability. Parts most subject to wear are hardened.

These tools are especially well proportioned and finished, so are most

Round Leg Calipers and Dividers are furnished only with solid nut.

TOOLMAKERS DIVIDERS

		-	1	-	
B.I		- 1	4		
rw	0	- 1	-48	.,	

Length 2 inch	3 inch	4 inch	5 inch	6 inch
Price, each	\$1.50	\$1.80	\$1.80	\$2.10

TOOLMAKERS OUTSIDE CALIPERS

No. 141

Length	3 inch	4 inch	5 inch	6 inch
	\$1.50	\$1.80	\$1.80	\$2.10
I tice, caciffication and	41120			

TOOLMAKERS INSIDE CALIPERS

No. 142

Length 2 inch	3 inch	4 inch	5 inch	6 inch
Price, each \$1.20	\$1.50	\$1.80	\$1.80	\$2.10
	AND THE PROPERTY OF	THE RESERVE		

Packing: Three in a box.





FIRM JOINT HERMAPHRODITE CALIPERS

This type of caliper is used principally in laying out work, locating centers, etc.

A distinctive feature of these Calipers is the adjustable joint.

Lock screw construction enables one to set and hold the legs to any

desired tension or friction.

These tools are of sturdy construction throughout, smooth working, nicely proportioned, and have a fine, uniform finish.

The No. A17 is furnished with adjustable point.

FIRM JOINT HERMAPHRODITE CALIPERS

No. 17

Length	4 inch	6 inch	8 inch
Wt. per doz.	1 1/4 Ib	2 1/2 11ь	3 1/4 Ib
Price, each	\$0.60	\$0.80	\$1.00

FIRM JOINT HERMAPHRODITE CALIPERS With Adjustable Point

No. A17

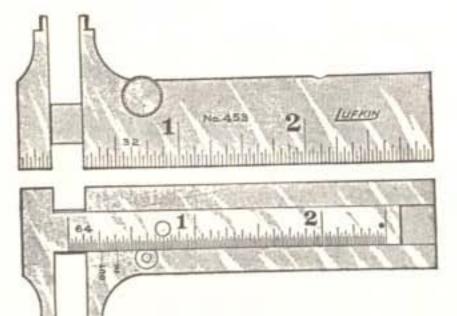
Lennel	91016-00-00-00-00-00-00-00-00-00-00-00-00-00		
Length	4 inch	6 inch	8 inch
Wt. per doz.	1 1/4 tb	21/2 lb	3 1/4 fb
Price, each	\$0.80	\$1.00	\$1,20

Packing: Three in a box.

THE

UFKIN

RULE



POCKET SLIDE CALIPERS

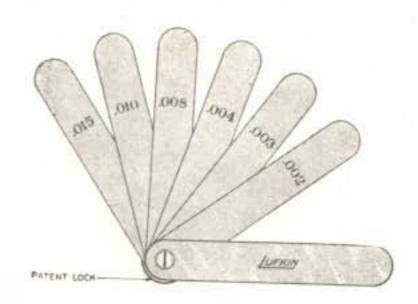
Suitable for outside and inside calipering. Measurement, both outside and inside, being read to a line rather than to face of jaw, is an aid to accuracy. To simplify reading the outside and inside reading lines are marked "out" and "in".

These calipers are equipped with lock to securely set them at any point.

This locking device is readily set or released by thumb of the same hand in which tool is held.

The slide has stop, so that it cannot be entirely withdrawn or lost out.

Nhau	Price	1
Number	SLIDE MARKED 64THS; STOCK MARKED 32NDS INCH Each	
453	3-inch Depth jaws 11/16 inch; width nibs, closed, 1/8 inch\$4.00	1110
455	5-inch Depth jaws 1 7/16 inch; width nibs, closed, 1/4 inch 5.00	ROSE TOOLS, INC.
456	6-inch Depth jaws 1 7/16 inch; width nibs, closed 1/4 inch 6.50	1100
453M	7-centimetre Slide graduated half-millimetres; stock graduated millimetres. Depth jaws 17 mm; width nibs, closed, 3 mm	
455M	13-centimetre Slide graduated millimetres one edge, half-millimetres other edge; stock graduated millimetres. Depth jaws 36 mm; width nibs, closed, 6 mm	
456M	15-centimetre Slide graduated millimetres one edge, half-millimetres other edge; stock graduated millimetres. Depth jaws 36 mm; width nibs, closed, 6 mm 6.50	
	MARKED METRIC AND ENGLISH	
	Slide marked half-millimetres one edge, 64ths inch other edge; stock marked 32nds inch.	
453EM	7-centimetre (3 inch)	
	Depth jaws 17 mm (11/16 inch); width nibs, closed, 3 mm (1/8 inch)	
455EM	13-centimetre (5 inch) Depth jaws 36 mm (1 7/16 inch); width nibs, closed, 6 mm	
	(1/4 inch)	-11
456EM	15-centimetre (6 inch) Depth jaws 36 mm (1 7/16 inch); width nibs, closed, 6 mm (1/4 inch)	
	Packing: One in a box.	
	Weights, each, 3 inch., 1 oz. 5 inch., 3 ozs. 6 inch., 5 ozs.	



THICKNESS GAGES With Patent Lock.

Pat. Jan. 27, 1925

The Thickness Gages listed on this page are designed to meet the demand of the automobile world for a low priced, yet accurate tool. Among other use they are employed in determining the clearance of tappets, fitting pistons, and adjusting spark gap.

A distinctive feature of these, like all other Lufkin Thickness Gages, is the patent lock. By means of a lock nut operated by the same hand in which the tool is held, any one or more leaves can be locked in any position. This permits the use of the tool in its full length, 5½ inches, and guards against error. Convenient in all gaging, it especially appeals to motor mechanics, whose work is often difficult of access or requires that the tool be held at an angle, as on V type motors. Two or more of the leaves being separated and locked makes the tool a handy limit gage.

While these Thickness Gages are without case, the leaves, when closed and locked with the name plate and the .015 leaf on the outsides, are well protected. Removal of the screw stud makes the inserting of a new leaf very simple.

All leaves are tempered steel ground to exact thickness, individually tested, and each one clearly marked with its thickness. They also are of the most popular length.

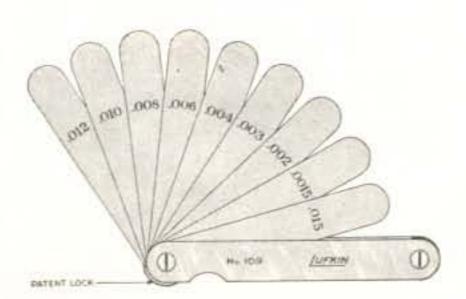
Nu	mber	Price, Each
06	6-Leaf Thickness Gage. Leaves ½ inch wide, 3 inches long. Thicknesses: 002, .003, 004, 008, 010, 015 inch	\$0.90
07	7-Leaf Thickness Gage. Leaves 1/2 inch wide, 3 inches long. Thicknesses: .0015, 002, 003, 004, .008, .010, .015 inch .	. 1.10
09	9-Leaf Thickness Gage. Leaves ½ inch wide, 3 inches long. Thicknesses: .0015, 002, .003, .004, .006, .008, .010, .012, .015 inch. This is a very good range of sizes	

Weight each, 1/2 oz. Packing: 6 in a box.

THE

UFKIN

RULE



THICKNESS GAGES

With Patent Lock.

Pat. Jan. 27, 1925

Widely used not only in the automobile field, but by all tool makers and machinists in jig and fixture work, in the making of gages, etc.

All gages on this page have regular case into which the leaves fold.

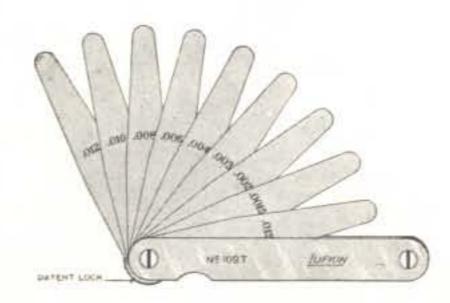
All have patent lock feature, i. e., by means of a lock nut any one or
more leaves can be locked in any position. This is handy in all work. It
permits the use of the gage in its full length and reduces the chance of error.

With it also the leaves can be securely held in the case when not in use.

The leaves are of tempered steel, ground to exact thickness, individually tested and each one clearly marked with its thickness. They are also of the

length	that is most popular.	Price, Each
109	9-Leaf Thickness Gage. Leaves ½ inch wide, 3 inches long. Thicknesses: .0015, .002, .003, .004, .006, .008, .010, .012, .015 inch. Overall length of gage with leaf extended and locked, 6 inches. Weight each, 1 oz	.\$1.50
110	10-Leaf Thickness Gage. Leaves ½ inch wide, 3 inches longThicknesses: .0015, .002, .0025, .003, .004, .006, .008, .010, .012, .015 inch. Weight each, 1 oz	. 1.65
109M	9-Leaf Mctric Thickness Gage. Leaves approximately 12 mm wide, 7½ cm long. Thicknesses: .04, .05, .06, .07, .08, .10, .15, .20, .25 millimetres. Combined thickness 1 millimetre. Weight each, 1 oz	. 1.50
116M	16-Leaf Metric Thickness Gage. Leaves approximately 12 mm wide, 7½ cm long Thicknesses: .04, .05, .06, .07, .08, .10, .15, .20, .25, .30, .35, .40, .45, .50 millimetres and two leaves of 1 mm each. A very good range of metric sizes. Combined thickness of leaves 5 mm. Weight each, 2 ozs	. 2.50

Packing: One in a box, three in a carton.



THICKNESS GAGES WITH TAPERED LEAVES With Patent Lock.

Pat. Jan. 27, 1925

The tapered leaf patterns are particularly popular with many users of Thickness Gages, because they give access to narrow openings. Aside from the leaves being tapered, the gages below are identically the same as those on preceding page.

All have regular case into which the leaves fold. They also have the patent lock nut, making possible the locking of any leaf in any position, which is always convenient and especially valuable in some classes of work.

All leaves are tempered steel, ground to exact thickness, individually tested, and each one clearly marked with its thickness. They are of the length most in demand.

Number

9-Leaf Thickness Gage.

Leaves 3 inches long, tapered to 1/4 inch.
Thicknesses: .0015, .002, .003, .004, .006, .008, .010, .012, .015 inch. Overall length of gage with leaf extended and locked, 6 inches. Weight each, 1 oz........................\$1.50

109TM 9-Leaf Metric Thickness Gage.

10-Leaf Thickness Gage.

ROSE TOOLS, INC.

110T

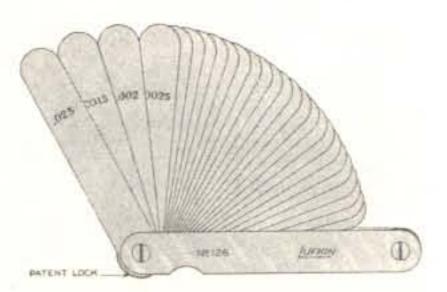
Leaves approximately 7½ cm long, tapered to 6½ mm. Thicknesses: .04, .05, .06, .07, .08, .10, .15, .20, .25 millimetres. Combined thickness 1 mm. Weight each, 1 oz. 1.50

Packing: One in a box, three in a carton.

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THICKNESS GAGES

With Patent Lock.

Pat. Jan. 27, 1925

One of the features of these gages is the wide range of thicknesses they offer. No. 126 has leaves increasing in thickness by one-thousandth inch from .002 to .025 inch inclusive, and carries also leaves .0015 and .0025 inch. No. 122 runs by thousandths from .004 to .025 inch. There is hardly a line of work in which these tools will not take care of every requirement.

Both have regular case into which the leaves fold, and also the patent lock feature. Any one or more leaves can be locked in any position for use or all locked into the case for protection.

All leaves are of tempered steel ground to exact thickness, individually tested, and each one clearly marked with its thickness. They have 3-inch leaves, the most popular length.

Price, Number

126 26-Leaf Thickness Gage. Leaves 1/2 inch wide, 3 inches long. Thicknesses: .0015, 002, .0025, 003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, 024, .025 inch. Overall length of gage with leaf extended and locked, 6 inches. This gage gives the widest range of sizes, and, unlike others, it has .0025 leaf. Weight each, 2 ozs.. ... \$3.50

122 22-Leaf Thickness Gage. Leaves 1/2 inch wide, 3 inches long. Thicknesses: Leaves increase by thousandths from 004 to .025 inch. A wide range of sizes. Weight each, 11/2 ozs..... 2.50

Packing: One in a box, three in a carton.

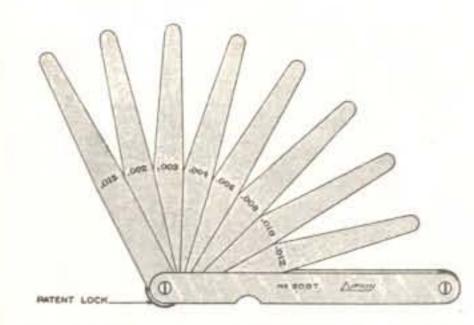
THICKNESS GAGE LEAVES ONLY

For use as separate pieces or for replacing leaves in gages. In ordering always specify thickness and whether leaves should be straight or tapered. 6-inch, \$0.50 41/2-inch, \$0.40 Price, each ... 3-inch, \$0.25

THICKNESS GAGE STOCK

There is a demand for thickness gage stock only, in long pieces, These we supply in any of our standard thicknesses and in 6, 12 and 18 inch lengths, 1/2 inch wide. Each of these pieces is, like the leaves of our gages, marked with its thickness.

6-inch	lengthPrice	, each,	\$0.40
12-inch	lengthPrice	, each,	.80
18-inch	lengthPrice	, each,	1.20



THICKNESS GAGES WITH TAPERED LEAVES

With Patent Lock.

Pat. Jan. 27, 1925

Particularly popular with the motor service mechanic for finding the clearance between pistons and cylinder walls.

They have regular case into which leaves fold. They also have the patent lock which makes possible locking of any leaf in any position.

All leaves are of tempered steel, ground to exact thickness, individually tested, and each clearly marked with its thickness.

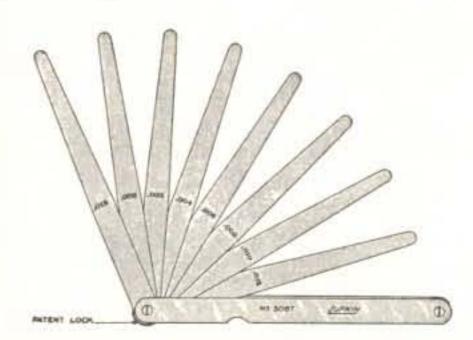
Number

Each

Price Each

ROSE TOOLS, INC. 208T 8-Leaf Thickness Gage

Leaves 41/2 inches long, 1/2 inch wide at base, tapered to 1/4 inch. Thicknesses: .002, 003, .004, 006, 008, .010, .012, .015 inch. Overall length of gage with leaf extended and locked, 9 inches.



THICKNESS GAGES WITH TAPERED LEAVES With Patent Lock.

Pat. Jan. 27, 1925

308T 8-Leaf Thickness Gage

Leaves 6 inches long, 1/2 inch wide at base, tapered to 1/4 inch. Thicknesses: .002, .003, .004, .006, .008, 010, .012, .015 inch. Overall length of gage with leaf extended and locked, 12 inches. Weight each, 2 ozs..... \$3.00 THE

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THE UFKIN RULE CO.

CENTER GAGES

Used in grinding and setting screw cutting tools. Made of steel and carrying markings such as are most commonly required in determining the number of threads per inch or per centimetre.

Nos. 36 and 036 are especially popular as they carry a table of double depth figures, a valuable feature in determining tap drill size for sharp 60 degree V threads. Allowance is to be made for the extent to which thread is flattened, as it is not practical to tap a perfectly sharp thread.

Weight per dozen, 4 ozs. Packing: Six in a box.

	Num	ber Price, E	ach
OOLS, INC.	36	Center Gage. Spring tempered. Angles of 60 degrees	0.50
	036	Center Gage. Not tempered. Angles of 60 degrees	
	37	Whitworth Standard Center Gage. Spring tempered. Angles of 55 degrees	
	037	Whitworth Standard Center Gage. Not tempered.	.40
		Marked three edges in millimetres	
		one edge in half-millimetres	
		Metric Center Gage. Spring tempered. Angles of 60 degrees	.50
	036M	Metric Center Gage. Not tempered.	.50
		Angles of 60 degrees	.40

This tool is designed to measure the pitch, or number of threads per inch, of both the U. S. Form Thread, and the sharp "V" Thread. Each blade is marked with its pitch, and on the outside of the case, the Double Depth of the U. S. Form Thread is given, as it is the recognized standard thread used in this country. To obtain the Double Depth of Sharp "V" Threads, for the same pitch, add 1/2 to the double Depth given for U. S. Form Thread.

The blades are shaped to measure quickly the inside threads of nuts, as well as bolts, and screws,

These Screw Pitch gauges are furnished either with or without the Patent Lock Nut. The lock nut permits the locking of any one blade in any position, where that particular pitch is being used constantly.

WITH LOCK NUT

No.	74A—22 Pitches	Each	\$1.50
No.	74B—24 Pitches		
No.	74C—28 Pitches		\$2.00
No.	74D—28 Pitches	Each	\$2.00

WITHOUT LOCK NUT

No.	73A—	22 Pitches	
		24 Pitches	
No.	73C—	14-16-18-20-22-24-27-28-30-32-30 -28 Pitches	
No.	73D—	28 Pitches Each 3-3½-4-4½-5-5½-6-7-8-9-10-11-11½-12 13-14-16-18-20-22-24-27-28-30-32-36-38	ф1.70

Packing: One in a box, Six in a carton.

Fach \$1 25



CENTER PUNCHES

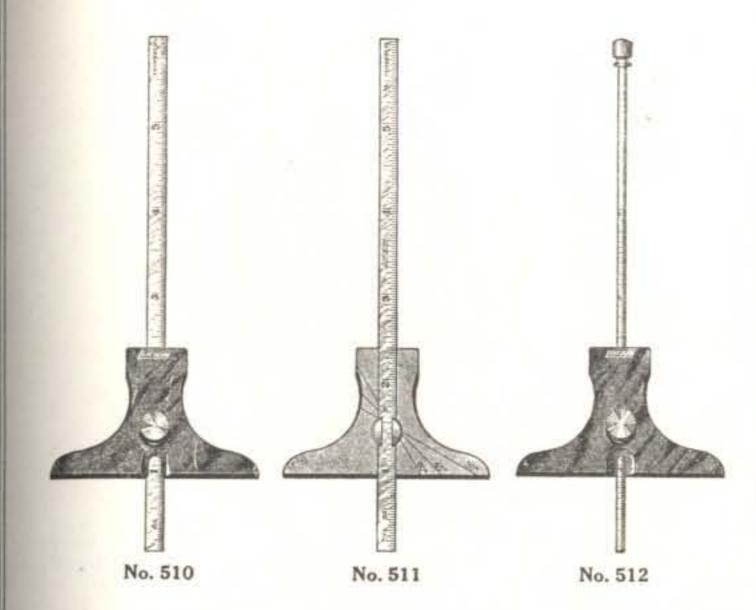
Made of fine quality tool steel. Neatly shaped, hardened, tem-ROSE TOOLS, INC.
pered and polished. The points are carefully ground. Knurled on
the body to afford a good finger grip.

NUMBER	LENGTH INCHES	DIAM. TOP OF TAPERED POINT	WEIGHT	PRICE
71AA	31/8	1/16	1/2 oz.	\$0.25
71A	31/2	5/64	1/2 oz.	.25
71B	37/8	3/32	l oz.	.25
71C	41/4	9/64	l oz.	.25
71D	45/8	5/32	11/2 oz.	.25
71E	5	1/4	2 oz.	.30

Packing: Twelve in a box-No. 71E, Six in a box.

71S Center Punch Set 6 oz. 1.75

This set consists of one each of the above Center Punches packed in a compact canvas case.



DEPTH GAGES

These are very handy Depth Gages for tool and die makers, machinists, and others. All heads are of steel, case hardened and nicely finished. They are 2½ inches wide across the base, giving good range; ½ inch thick, and properly designed to best fit the hand. All heads on our gages are deeply notched on one side, so graduations can be most accurately and easily read. All blades are tempered, machine divided, and fitted in slot of the head. They can be securely clamped at any point by means of the knurled lock nut. Blades are also removable for use simply as scales.

Numb	er Price,
510	6-Inch Depth Gage. Fitted with narrow (3/16 inch) spring tempered blade, marked one side 32nds, other side 64ths inch
511	6-Inch Depth Gage With Degree Lines on Head. A particularly popular item. One side of head is marked with 30, 45 and 60 degree lines, to which the blade can be swung and set, converting the tool into a simple protractor for certain classes of work. Fitted with narrow (3/16 inch) spring tempered blade marked one side 32nds, other side 64ths inch
512	6-Inch Depth Gage With Round, Graduated Blade. The distinctive feature of this gage is that the blade, while round, is graduated. It is tempered, and being but 1/10 inch in diameter, gives access to small holes. Graduated 4 inches to 32nds. Measurement is arrived at without the additional use of a rule, making this the ideal tool of its kind
	Weight each, 2 ozs. Packing: One in a box.
NOTE.	-All lengths of our parrow rules Nos 2310 2311 and parrow

NOTE—All lengths of our narrow rules, Nos. 2310, 2311, and narrow hook rule No. H2310, are interchangeable with the blades of Nos. 510 and 511 Depth Gages.

97

THE

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RULE

GRADUATIONS OF STEEL RULES

ENGLISH MEASURE

Steel Rules or Scales as shown on the following pages are divided into parts of inches, as follows:

No. 1 Graduation

1st corner—10-20-50-100ths. 2nd corner—12-24-48ths. 3rd corner—16-32-64ths. 4th corner—14-28ths.

No. 2 Graduation

1st corner—10-20-50-100ths. 2nd corner—12-24-48ths. 3rd corner—16-32-64ths. 4th corner—8ths.

No. 4 Graduation

1st corner—64ths. 2nd corner—32nds. 3rd corner—16ths. 4th corner—8ths.

No. 7 Graduation

1st corner— 64ths. 2nd corner— 32nds. 3rd corner— 16ths. 4th corner—100ths.

No. 10 Graduation

1st corner—32nds. 2nd corner—64ths.

No. 11 Graduation

1st corner— 64ths. 2nd corner—100ths.

No. 12 Graduation

1st corner—50ths. 2nd corner—100ths.

NOTE—We also list on the following pages other combinations of English graduations, as well as rules in metric and metric and English.



Showing Readable Graduations



Showing End Graduations

SPRING TEMPERED RULES Machine Divided

Approximate Thickness 3/64 Inch.

All rules on this page are spring tempered. They are the weight most extensively used. Carefully ground and graduated, and having easily read lines and figures. For prices, etc., of all, see foot of page.

WITHOUT READABLE GRADUATIONS

Number	
2204	No. 4 graduation, 8ths, 16ths, 32nds, 64ths. Lengths, 1 to 48 inches. Rules from 2 to 24 inches long have end graduations (one end of both sides graduated to 32nds).
2201	No. 1 graduation, 10ths, 20ths, 50ths, 100ths; 12ths, 24ths, 48ths; 16ths, 32nds, 64ths; 14ths, 28ths. Lengths, 6 and 12 inch only. For gear cutting work.
2202	No. 2 graduation 10ths 20ths 50ths 100ths: 12ths 24ths 48ths:

ROSE TOOLS, INC

No. 2 graduation, 10ths, 20ths, 50ths, 100ths; 12ths, 24ths, 48ths; 8ths; 16ths, 32nds, 64ths. Lengths, 6 and 12 inch only.

WITH READABLE GRADUATIONS

No. 4 graduation, 8ths, 16ths, 32nds, 64ths. Lengths, 1 to 24 inches. Readable Graduations (64ths numbered every eighth division) on all rules 24 inches and under. Rules 2 to 24 inches long have end graduations (one end of both sides graduated to 32nds).

2207R No. 7 graduation, 16ths, 32nds, 64ths, 100ths. Lengths, 1 to 48 inches. Readable Graduations (64ths numbered every eighth division) on all rules 24 inches and under.

Length1	in.	2 in.	3 in.	4 in.	6 in.	9 in.	12 in.	18 in.	24 in.	36 in.	48 in.
Approx. width, in.,	1/2	1/2	1/2	5/8	3/4	3/8	1	11/4	11/4	11/4	11/4
Wt. doz., lbs											
Price, each											

Packing: Rules 12 inches and under, six in a box; others one in a package.



Showing Readable Graduations



Showing End Graduations

SEMI-FLEXIBLE RULES Machine Divided

Approximate Thickness 1/50 Inch.

All rules on this page are of tempered steel but lighter weight than those on previous page classified as spring tempered. These are, however, heavier than our flexible rules. For prices, etc., of all, see foot of page.

ROSE TOOLS, INC

WITH READABLE GRADUATIONS

2604R No. 4 graduation, 8ths, 16ths, 32nds, 64ths. Lengths, 2 to 12 inches. All have Readable Graduations (64ths numbered every eighth division); and end graduations (one end of both sides graduated to 32nds).

2607R No. 7 graduation, 16ths, 32nds, 64ths, 100ths. Lengths, 2 to 12 inches.

All have Readable Graduations (64ths numbered every eighth division).

Length	2 in.	3 in.	4 in.	6 in.	9 in.	12 in.
Approx. width, in	1/2	1/2	5/8	3/4	7/8	1
Weight doz., ozs	3	4	5	7	10	17
Price, each	0.45	\$0.60	\$0.75	\$0.90	\$1.35	\$1.65

Packing: Six in a box.

Assis 1 Arrest 2 Terreto

FLEXIBLE RULES

Machine Divided

Made of the finest quality spring tempered steel, very thin and flexible. Rules 12 inches and under in length are ½ inch wide, and will conform to a 2-inch circle. Rules 18 inches and over are ¾ inch wide and a trifle heavier. All are graduated one side only. Six-inch rules are regularly furnished with metal-bound leather cases.

No.	2110 No.	10	graduation,	32nds and	64ths.
No.	2111 No.	11	graduation,	64ths and	100ths.
No.	2112 No.	12	graduation.	50ths and	100ths

Nos. 2110, 2111, 2112.

Length 1 in.	2 in.	3 in.	4 in.	6 in.	9 in.	12 in.	18 in.	24 in.	36 in.	48 in.
Weight doz., lbs 18	10	1/8	1/8	1/4	1/2	1/2	11/2	21/4	3	41/2
Price, each \$.30	.45	.60	.75	.90	1.35	1.65	2.60	3.25	7.00	10.00

Packing: Rules 12 in. and under in length, six in a box; others one in a package.

NARROW RULES

Machine Divided - Spring Tempered

Approximate Width 3/16 Inch, Thickness 3/64 Inch.

Of high grade, spring tempered steel. Being but 3/16 inch wide, these rules are easily inserted in small openings. They are interchangeable with the blades of our Depth Gages. They are graduated one edge of each side.

No.	2310	No.	10	graduation,	32nds	and	64ths.
				graduation.			

No	s, 2310,	2311		
Length	4 in.	6 in.	9 in.	12 in.
Weight per doz., ozs	3	4	6	10
Price, each	\$0.75	\$0.90	\$1.35	\$1.65

Packing: Six in a box.

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SPRING TEMPERED RULES With One Beveled Edge Machine Divided

Approximate Thickness 3/64 Inch.

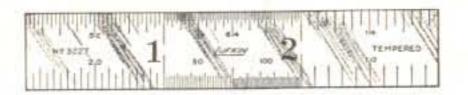
These rules are used by tool makers, draftsmen, engineers and architects, and are very handy for laying out work.

No. 2224 Beveled. No. 4 graduation, 8ths, 16ths, 32nds, 64ths. With the 64ths on the beveled edge. Lengths, 4 to 12 inches. With end graduations (one end of both sides graduated to 32nds).

No. 2227 Beveled. No. 7 graduation, 16ths, 32nds, 64ths, 100ths. With 100ths on the beveled edge. Made in 6 and 12 inch lengths only.

Length 4 in.	6 in.	9 in.	12 in.
Approximate width, in	13 oz.	11/2.lbs.	2 lbs.
	\$0.90	\$1,35	\$1.65

Packing: Six in a box.



SPRING TEMPERED RULE

English and Metric Machine Divided

Approximate Thickness 3/64 Inch.

This rule has a very wide range of graduations, both English and metric.

No. 3227 Marked both sides. One side, upper edge 16ths, 32nds, 64ths, lower edge 10ths, 20ths, 50ths and 100ths inches; other side, upper edge millimetres, lower edge half-millimetres.

Length	2 in.	3 in.	4 in.	6 in.	9 in.	12 in.	18 in.	24 in.	36 in.	48 in.
Approx. width, in 1/2	1/2	1/2	3/8	3/4	7/8	1	11/4	11/4	11/4	11/4
Weight doz. lbs 1/8	1/8	1/4	1/2	3/4	11/2	2	41/2	6	9	14
Price, each\$.30	.45	.60	.75	.90	1.35	1.65	2.60	3.25	7.00	10.00

Packing: Rules 12 inches and under, six in a box; others one in a package.





SPRING TEMPERED HOOK RULES

Machine Divided

STANDARD WEIGHT. HEAVY PATTERN. NARROW PATTERN.

These are Steel Rules as listed on other pages but fitted with a removable hook. They are very convenient in taking measurements over round or square corners, through openings, such as the hubs of pulleys or wheels, and wherever the measuring edge is difficult to see or determine (also in setting and reading dividers and calipers).

Hooks are of hardened steel and are quickly removed by giving eccentric stud a half turn, making the article for use same as a rule without hook.

The narrow pattern Hook Rules are suitable for measuring through openings as small as 3/8 inch or 10 millimetres: These are interchangeable with the blades in our Depth Gages.

STANDARD WEIGHT

Approximate Thickness 3/64 Inch (1 MM)

No. H2204	No. 4 graduation, 8ths, 10 have one end of both sid				24 inches	long
	Length 6 in. Approx. width	9 in.	12 in.	18 in.	24 in.	36 in.
	rule	% in. 134 \$1.75	1 in. 2½ \$2.15	11/4 in. 5 \$3.10	11/4 in. 61/2 \$3.75	11/4 in. 91/2 \$7.65

ROSE TOOLS, INC

No. H2200M Metric graduation.	Three edges in mn	one edge in 1/2 mm	
Length	15 cm	20 cm	30 cm
Wt. per doz., lbs		11/2	21/4
Price, each	\$1.25	\$1.60	\$2.15

HEAVY PATTERN

Approximate Thickness 1/10 Inch; Width 11/2 Inch.

No. H2404	No. 4 graduation, 8ths, 16ths,	32nds, 64ths.		
	Length	48 in.	60 in.	72 in.
	Weight each, lbs 21/4	23/4	31/4	33/4
	Price, each \$8.00	\$11.00	\$21.00	\$25.00

NARROW PATTERN

Approximate Thickness 3/64 Inch (1 MM); Width 3/16 Inch (5 MM)

No. H2310	No. 10 graduation, 32nds and 64	the.		
	Length4 in.	6 in.	9 in.	12 in.
	Wt. per doz., ozs. 4		8	12
	Price, each\$1.00	\$1.20	\$1.65	\$2.00
No. H2300M	Metric graduation. Millimetres a	and half-millim	etres.	
	Length		20 cm	30 cm
	Wt. per doz., ozs 5		- 7	12
	Price, each	4	1.50	\$2.00

Packing: Rules 12 inches and under in length, three in a box; others one in a package.

NOTE—Hook Rules can also be furnished marked metric and English, in the standard weight and the narrow pattern Specify as "H2200ME" and "H2300ME". THE



METRIC STEEL RULES

Machine Divided

Of highest quality tempered rule steel, carefully ground. Finely graduated and having most legible lines and figures.

SPRING TEMPERED

Approximate Thickness 1 MM

No. 2200M Marked both sides; three edges in mm, one edge in 1/2 mm.

Length	10 cm	15 cm	20 cm	30 cm	50 cm	1 m
Width in mm 13	16	19	22	25	32	32
Weight per doz., lbs 1/4	1/2	3/4	11/2	-2	5	10
Price, each\$0.45	\$0.75	\$0.90	\$1.20	\$1.65	\$2.60	\$10.00

SEMI-FLEXIBLE

Approximate Thickness 1/2 MM

Of tempered steel, heavier than the flexible, though about ½ the thickness of No. 2200M rules above. Widths same as No. 2200M rules.

No. 2600M Marked both sides; three edges in mm, one edge in 1/2 mm.

Length	10 cm	15 cm	20 cm	30 cm
Weight per doz., ozs 3	. 5	7	9	17
Price, each\$0.45	\$0.75	\$0.90	\$1.20	\$1.65

FLEXIBLE

Approximate Thickness 3/10 mm (except 50 cm length)

Of full flexible spring tempered steel, easily held to the work.

No. 2100M Marked one side only; upper edge mm, lower edge 1/2 mm.

Length	5 cm	10 cm	15 cm	20 cm	30 cm	50 cm
Width in mm	13	13	13	13	13	19
Wt, per doz., oza	2	3	4	6	8	32
Price, each\$	0.45	\$0.75	\$0.90	\$1.20	\$1.65	\$2.60

NARROW PATTERN, TEMPERED

Approximate Width 5 MM, Thickness 1 MM

Being but 5 millimetres wide, these rules can be inserted in small openings. They are interchangeable with the blades of our Depth Gages.

No. 2300M Marked one edge of one side in mm, one edge of other side in 1/2 mm.

Length 10 cm	15 cm	20 cm	30 cm
Wt. per doz., ozs 3	4	6	10
Price; each	\$0.90	\$1.20	\$1.65

Packing: Rules 30 cm and under in length, six in a box; others one in a package.

NOTE-For these rules marked metric and English, see page 105.



METRIC AND ENGLISH STEEL RULES

Machine Divided

Of highest quality tempered rule steel, carefully ground. Finely graduated and having most legible lines and figures.

SPRING TEMPERED

Approximate Thickness 1 MM (3/64 Inch)

No. 2200ME Marked both sides; one side millimetres and 64ths inches, other side half-millimetres and 32nds inches.

Length5 cm	10 cm	15 cm	20 cm	30 cm	50 cm	1 m
Width in mm 13	16	19	22	200.00	32	32
Wt. per doz., lbs 1/4	1/2	3/4	11/2	2	5	10
Price, each\$0.45					\$2.60	\$10.00

FLEXIBLE

Approximate Thickness 3/10 MM (except 50 CM length)

Of full flexible spring tempered steel, easily held to the work.

ROSE TOOLS, INC

No. 2100ME Marked one side only; one edge millimetres, other edge 64ths inches.

Length	10 cm	15 cm	20 cm	30 cm	50 cm
Width in mm 13	13	13	13	13	19
Wt. per doz., ozs., 2	3	4	6	8	32
Price, each\$0.45	\$0.75	\$0.90	\$1.20	\$1.65	\$2.60

NARROW PATTERN, TEMPERED

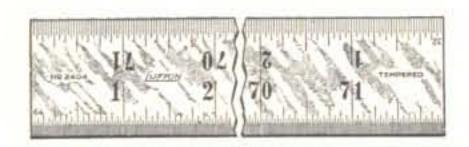
Approximate Thickness 1 MM (3/64 Inch), Width 5 MM (3/16 Inch)

Being but 5 millimetres wide, these rules can be inserted in small openings. They are interchangeable with the blades of our Depth Gages.

No. 2300ME Marked one edge of one side in millimetres, one edge of other side 64ths inches.

Length 10 cm	15 cm	20 cm	30 cm
Wt. doz., ozs. 3	4	6	10
Price, each\$0.75	\$0.90	\$1.20	\$1.65

Packing: Rules 30 centimetres and under in length, six in a box; others one in a package.



HEAVY SPRING TEMPERED RULES Machine Divided

Approximate Thickness 1/10 Inch

Heavier, wider, and made in longer lengths than our regular spring tempered rules. Especially recommended for factory use and wherever a long scale is required.

Heavy. No. 4 graduation, 8ths, Length	16ths, 32nds, 48 in. 1½ 2¼	64ths. 60 in. 1½ 2¾	72 in. 1½ 3¼
Price, each\$7.00	\$10.00	\$20.00	\$24.00

Packing: One in a package,



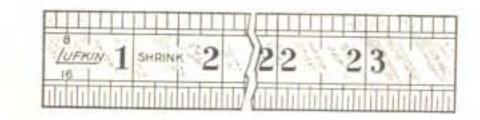
STEEL SHRINK RULES Machine Divided

For pattern makers, foundry workers, and others. Made of spring tempered steel, approximately 3/64 inch thick. These rules are the highest grade, finely graduated and guaranteed accurate. Lines and figures are cut into the steel and show up clear and distinct.

All In No. 4 Graduation, 8ths, 16ths, 32nds, 64ths. Always Specify Length As Well As Stock Number.

No	83C	83E	83F	83G	83H	83K	83R	83T
Shrink per ft 1	/10 in.	1/8 in.	3/16 in.	1/4 in.	5/16 in.	3/8 in.	5/32 in.	9/32 in.
	100	chea	6 in	ch 3/4	1	2 inch		24 inch
W	eight e?	ich	\$1			1/2 oz. \$2.10		5 oz.

Packing: 6-inch and 12-inch rules, six in a box; 24-inch rules, one in a package.



STEEL SHRINK RULES **Etched Graduations**

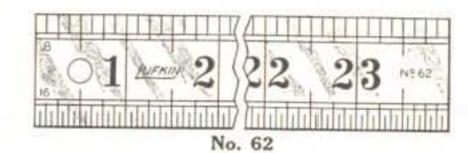
Of spring tempered steel 11/8x3/64 inch. Sunken graduation. While accurate rules, the graduation of these is neither as fine nor close as on No. 83 Rules, page 106. Recommended only for use where a fine degree of accuracy is not essential.

All Graduated 8ths and 16ths, Both Sides.

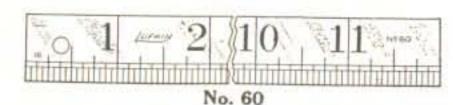
All Made in 24 Inch Length Only.

Length, 24 inch. Weight each, 5 ozs.

Packing: One in a package.



ROSE TOOLS, INC



STRAIGHT STEEL RULES

These rules also have bright surface, distinct black sunken figures and lines. They have hole in one end.

No. 62 is well adapted to such general work as requires a long, onepiece steel rule of medium weight, with common markings somewhat heavier than on machine divided scales.

No. 60 is a narrower, lighter weight rule of somewhat similar type. It has become especially popular in manual training work.

No.	62	11/4× ils	inch.	Marked	both	sides,	upper	edge 8ths.	lower 16	ths.	
		Weight	V		I ft.		2 ft.	3 ft.	4 ft.	5 ft.	6 ft 1834
		Price,	each.	\$	1.25	\$2	.10	\$3.00	\$4.60	\$6.25	\$8.00

No. 60 3/4x1/32 inch. Marked lower edge only, one side 8ths, other side 16ths. Length 1 ft. 2 lbs.

THE UFKIN RULE CO.

108







Figure 1

Figure 2

Figure 3

ROSE TOOLS, INC

MECHANICS REFERENCE TABLES

These tables are especially handy for machinists, tool makers, and die makers, as they carry valuable information required in daily work. They are convenient also for anyone having occasion to refer to wire gages. decimal equivalents of common fractions, or tap and drill sizes.

Made of flexible spring steel 11/4 inches wide and 63/4 inches long, and carrying a 6-inch graduated scale. Machine divided, with figures and graduations showing black and distinct. Hole at upper end.

No. 98

Figure 1 A table of U. S. S. Machine Screw Tap Sizes in fractional and numbered sizes, and S. A. E. and Briggs pipe standard in fractional sizes. Also a 6-inch scale graduated to 32nds.

Figure 2 A table of decimal equivalents of fractions in 64ths from 1/64 to 63/64, and a 6-inch scale graduated to 64ths with Readable Graduations.

Figure 3 A table of decimal equivalents of wire gages, and a 6inch scale graduated to 32nds.

> Weight per doz., 12 ozs. Packing: Six in a box.

NOTE-Cases can be furnished for these tables at small extra charge.





THE DECIMETRE RULE A KEY TO THE METRIC SYSTEM

As this rule gives a most comprehensive visual demonstration of metric sizes, it has been termed a key to the metric system. For educational purposes it has been widely distributed by the United States Bureau of Standards, The American Metric Association, and The Decimal Association of London, England.

It is of tempered steel, machine divided. The rule is I decimetre long, I centimetre wide and I millimetre thick. As shown by above illustrations it is marked one edge, one side, in centimetres and millimetres, and carries on both sides interesting facts regarding the metric system. Furnished with metal bound leather case.

ENGLISH PATTERN STEEL RULES

Flexible — Machine Divided

Of spring tempered steel, very thin and flexible, 1/2 inch wide, 30 gage. One end rounded and with hole.

All Marked One Side Only.

Marked upper edge 32nds, lower edge 64ths inch. No. 2110D

Marked upper edge metric to half-millimetres, lower edge No. 2110DM 64ths inch.

Marked lower edge 64ths, upper edge 100ths inch. No. 2111D

Nos. 2110D, 2110DM, 2111D

Length4 inch	6 inch	9 inch	12 inch
Weight per doz 3 oz.	4 oz.	7 oz.	8 oz.
Price, per doz \$3.60	\$4.80	\$9.60	\$14.40

Packing: 1/2 doz. in a box.



ENGLISH PATTERN STEEL RULES

Machine Divided - Tempered

Tapping and Spanner

The 4 and 6 inch rules are 3/4 inch wide, 21 gage; 12 inch rules, 11/8 inch wide, 19 gage. All have one end rounded and with hole.

No. 2721 Marked one side only. Lower edge 16ths, 32nds, 64ths inches; upper edge tapping and spanner sizes.

> 12 inch 6 inch Length 4 inch \$12.00 \$4.80 Price, per doz \$3.60

Marked both sides. One side, lower edge 16ths, 32nds, 64ths inches, upper edge tapping and spanner sizes; other side, lower edge 16ths, upper, edge 10ths, 20ths, 50ths. 100ths inches.

> 12 inch 6 inch Length 4 inch \$5.40 \$13.20 Price, per doz \$4.20

Marked both sides. One side, lower edge 16ths, 32nds, No. 2723 64ths inches, upper edge tapping and spanner size; other side, upper edge 8ths, lower edge 16ths inches.

> 12 inch Length 4 inch 6 inch \$13.20 Price, per doz \$4.20 \$5.40

Weight per doz., 4 inch, 8 ozs.; 6 inch, 10 ozs.; 12 inch, 21/4 lbs.

Packing: 1/2 doz. in a box.

THE

UFKIN

RULE

ENGLISH PATTERN STEEL RULES

Machine Divided



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8

ENGLISH PATTERN STEEL RULES

Machine Divided — Tempered

One End Rounded And With Hole

Numbers without the suffix "N" are ¾ inch wide, 21 gage, in 4 and 6 inch lengths; 1½ inch wide, 19 gage, in 12 and 24 inch lengths. Numbers with the suffix "N" are ½ inch wide, 25 gage.

222	est-manage.	RULE		nen	DOZEN		
CUT	MARKINGS	NUMBER	4 in.	6 in.	DOZEN 12 in.	24 in.	
Fig. 1.	One edge of one side only 8ths, 16ths, 32nds and 64ths	2700 2700N	\$3.60	\$4.80	\$12.00		
Fig. 2.	One side only 8ths and 16ths	/mm.cook	\$3.60		500000	\$25.20	
	oths and loths,	2701N	3.00	3.60	6.60		
Fig. 3.	One side only 8ths, 16ths, 32nds and 64ths	2702 2702 N	\$3.60 3.00	\$4.80 3.60	\$12.00 6.60	\$25.20	
Fig. 2.	Both sides One side, 8ths and 16ths						
Fig. 3,		. 2703 2703N	\$4.20 3.60	\$5.40 4.20	\$13.20 8.40	\$27.00	
Fig. 4.	One side only 16ths inches and millimetres	.2704 2704N	\$3.60 3.00	\$4.80	\$12.00 6.60	\$25.20	
Fig. 5.	One side only 16ths, 32nds and 64ths inches Millimetres and ½ millimetres.	270434	\$3.60	\$4.80		*\$25.20	
	(*Also made in ½ and 1 metre doz. respectively.)	2704½N lengths. Pr	3.00 ices \$24	.00 and	\$78.00	, inn	
Fig. 5.	One side only 16ths, 32nds and 64ths inches, millimetres and ½ millimetres, as Fig. 5, except that mark- ings are reversed, millimetres being on lower edge, inches on upper edge	- 2704 ½ B 2704 ½ BN	\$3.60	\$4.80 3.60	\$12.00 6.60	\$25.20	
Fig. 6.	One side only 16ths, 32nds and 64ths inches And 10ths, 20ths, 50ths and			2000000		20.573	
	100ths inches	. 2705 2705N	\$3.60	3.60			
	Both sides						
Fig. 6.	One side, 16ths, 32nds and 64th inches, 10ths, 20ths, 50ths an 100ths inches						
Fig. 7.		.2706 2706N	\$4.20 3.60	\$5.40 4.20	\$13.20 8.40	24 - CP CCJ (27)	
Fig. 5.	inches, millimetres and 1/2	19					
Fig. 8.	millimetres Other side, 12ths, 24ths, 48ths, 96ths inches and 10ths,						
	40ths, 50ths and 100ths in	2707 2707N	\$4.20 3.60	\$5.40 4.20	\$13.20 8.40		

ROSE TOOLS, INC

Wt. per dozen rules without suffix "N": 4 in., 7 ozs.; 6 in., 9 ozs.; 12 in., 2 1/4 lbs.; 24 in., 4 1/2 lbs. Wt. per dozen rules with suffix "N": 4 in., 3 ozs.; 6 in., 4 ozs.; 12 in., 1 lb.

Packing: Rules 12 in. and under, 1/2 doz. in a box; others one in a package.

Danish or Swedish Measurements. Above rules will be supplied with Danish measurements or Swedish measurements, such as Nya and Gamla, if so ordered.

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THE

/UFKIN

RULE

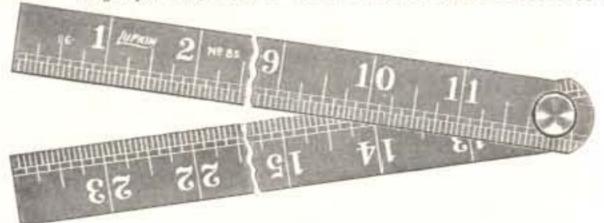
ALT TREMETO

CONTRACTION RULES

English Pattern — Machine Divided

Of tempered steel 11/8 inch wide, 19 gage. One end rounded and with hole. All 24 Inches Long and Graduated to 16ths.

MOMB	
2710	Marked one side only; upper edge 1/5 inch contraction, lower edge 1/10 inch contraction per foot
	Weight per doz., 6 lbs \$25.20
2711	Weight per doz., 6 lbs
	Weight per doz. 6 lbs
2712	Marked both sides, 1/10, 3/20, 1/5 inch contraction per foot, and one line regular inches and 16ths.
	Weight per doz., 6 lbs



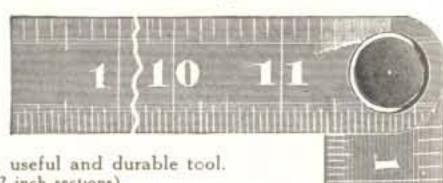
FOLDING STEEL RULES 12 Inch Sections

Of tempered steel approximately 3/4 inch wide and 1/32 inch thick. The sunken dark figures and lines are most legible. All except No. 80 have stop joint. The rules with ends brass tipped are popular with blacksmiths and others working on hot metals. Those with circumference measurement give at a direct reading circumference up to 75 inches opposite the respective diameter.

-					PRI	CE,
NO.	LEN	GTH	MARKING	PAT	TERN EA	
80	2	ft.	One side 8ths, other 16ths inches.	Plain joint.	Plain ends\$1	.00
85	2	ft.	One side 8ths, other 16ths inches.	Stop joint.	Plain ends	.25
85T	2	ft.	One side 8ths, other 16ths inches.	Stop joint.	Brass tipped ends !	.35
86	2		One side 16ths; other side, upper edge 8ths, lower edge circumfer-	2017		
DOT			ence inches to 8ths.	Stop joint.	Plain ends	.43
86T	2		One side 16ths; other side, upper edge 8ths, lower edge circumfer-			
					Brass tipped ends	.55
			Weight per doz., 2 lbs. Pac	king: Twelve	e in a box.	

STEEL RULE AND SQUARE COMBINED Machine Divided - With Stop Joint

Of tempered steel 11/8 inch wide, 19 gage. Square ends. Stop joint holds rule true and rigid when open, also stops the sections at 90 degrees, converting the rule into



a square. A convenient, useful and durable tool. No. 2781 2 foot, 2 fold (12 inch sections). Marked one side only; upper edge 8ths, lower edge loths inches. Weight per doz., 41/2 lbs. Price, per doz. \$36.00

No. 2783 2 foot, 2 fold (12 inch sections) Marked both sides. One side, upper edge 8ths, lower edge 16ths; other side, upper edge 16ths, lower edge 8ths, 32nds, 64ths. Weight per doz., 41/2 lbs. Price, per doz. . . . \$37.20

Packing: 1/2 doz. in a box.

ROSE TOOLS, INC

No. 1141



FOLDING FLEXIBLE STEEL POCKET RULES

With Stop Joints - "Nubian" Finish

COMPACT AND CONVENIENT TO CARRY EVERYWHERE

High grade popular rules, of flexible spring steel 3/8 inch wide. Stop joints hold the sections true when open. Over the "Nubian" (black) Finish background, the raised figures and markings, which are in the natural steel color, show up clearly. Rules furnished with or without metal-bound leather cases.

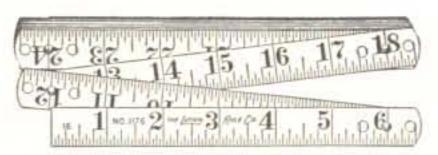
NO.	LENGTH	JOINTS	WT. PER DOZ.	WITHOUT CASES PRICE, EACH	WITH CASES PRICE, EACH
	N	farked Inches A	nd 16ths, Both Si	ides.	
1131 1132 1141 1142 1143 1162 1163 1164	1 ft. 2 ft. 1 ft. 2 ft. 3 ft. 2 ft. 3 ft. 4 ft.	3-inch joints 3-inch joints 4-inch joints 4-inch joints 6-inch joints 6-inch joints 6-inch joints 6-inch joints	5 ozs. 7 ozs. 6 ozs. 11 ozs. 1 lb. 10 ozs. 14 ozs. 11/4 lbs.	\$0.55 1.10 .55 1.10 1.65 1.05 1.60 2.10	\$0.65 1.20 .65 1.20 1.75 1.20 1.75 2.25
1141D 1142D 1143D 1162D 1163D			ond 16ths One Si Oths of feet, other 6 ozs. 11 ozs. 1 lb. 10 ozs. 14 ozs.		\$0.65 1.20 1.75 1.20 1.75
			and 16ths One Si es other side.	de;	
1141EM 1142EM 1143EM 1163EM 1164EM 1143ME 1163ME	2 ft. 3 ft. 3 ft. 4 ft. 1 metre	4-inch joints 4-inch joints 4-inch joints 6-inch joints 6-inch joints 10-cm joints 20-cm joints	6 ozs. 11 ozs. 1 lb. 14 ozs. 11/4 lbs. 11/4 lbs. 11/4 lbs.	\$0.55 1.10 1.65 1.60 2.10 1.70 1.65	\$0.65 1.20 1.75 1.75 2.25 1.80 1.80

Packing: All, twelve in a box, except 4 ft., which are six in a box.

THE

UFKIN

RULE



FOLDING STEEL RULES

3/4 Inch Wide - With Stop Joints

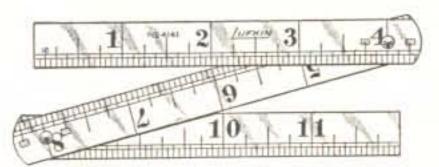
HEAVIEST AND WIDEST OF OUR LONG FOLDING STEEL RULES.

These rules withstand hard use such as in steel mills, machine shops and other places where steel rules of lighter weight and wood rules are often broken. They are of tempered steel, 3/4 inch wide, 1/32 inch thick. All have patent stop joints which hold rule true and rigid when open. The sunken black figures and lines give good contrast and legibility. These rules may be depended upon for a very fair degree of accuracy, though on the most precise work a one-piece steel scale should be used.

All Marked One Edge Of Both Sides.

NO.	LENGTH	MARKINGS	JOINTS	WEIGHT PER DOZ.	PRICE, EACH
1172	Z ft.	Inches to 16ths.	6-inch	13/4 lbs.	\$1.30
	3 ft.	Inches to 16ths.	6-inch	21/2 lbs.	1.95
	4 ft.	Inches to 16ths.	6-inch	33/4 lbs.	2.60
	5 ft.	Inches to 16ths.	6-inch	5 lbs.	3.25
	6 ft.	Inches to 16ths.	6-inch	61/2 lbs.	3.90
1177	7 ft.	Inches to 16ths.	6-inch	7 Ibs.	4.65
1178	8 ft.	Inches to 16ths.	6-inch	8 lbs.	5.40
1174EN	M4 ft.	16ths, inches and millimetres	6-inch	33/4 lbs.	2.65
1173MI	E1 metre	16ths inches and millimetres	6-fold	3 lbs.	2.25
		Millimetres both sides		3 lbs.	2.35
Pa	cking: 2 ft.,	3 ft. and 1 metre rules, twelve in	a box; all o	thers six in a l	oox.

NOTE-For Aluminum Folding Rules, see Section Five of this Catalog.



FOLDING STEEL POCKET RULES

Machine Divided - With Stop Joints

MEDIUM WEIGHT - HIGHEST GRADE

Of tempered steel, width 1/2 inch, semi-flexible. With sunken figures and lines clear cut and showing up in good contrast. Stop joints hold the rules true and rigid when open. Furnished with or without metal-bound leather cases. These rules may be depended upon for a very fair degree of accuracy, though on the most precise work a one-piece steel scale should be used.

All marked one edge of both sides, one side 8ths, other side 16ths of inches.

NO.	LENGTH	JOINTS	WT. PER DOZ.	WITHOUT CASES PRICE, EACH	WITH CASES PRICE, EACH
4141	1 ft.	4-inch joints	1/2 lb.	\$0.85	\$0.95
4142	2 ft.	4-inch joints	1 lb.	1.45	1.55
4143	3 ft.	4-inch joints	11/2 lb.	2.25	2.35
4144	4 ft.	4-inch joints	2 lb.	3.00	3.10
4642	2 ft.	6-inch joints	1 lb.	1.40	1.55
4643	3 ft.	6-inch joints	11/2 lb.	2.20	2.35
4644	4 ft.	6-inch joints	21/4 lb.	2.95	3.10

Packing: Nos. 4141 and 4642-twelve in a box, all others six in a box. NOTE-Unless cases are specified, we ship rules without cases.



FOLDING STEEL POCKET RULES Machine Divided - With Plain Joints

High grade rules of tempered steel, 1/2 inch wide and semi-flexible. With sunken figures and lines clear cut and showing up in good contrast. Furnished with or without metal-bound leather cases.

Numb		Without Cases, Price, Ea.	With Cases, Price, Ea.
2041	1 ft. 4-inch joints. Marked both sides, upper ed 8ths, lower edge 16ths inches		\$0.85
2042	1 ft. 4-inch joints. Marked both sides, one side upper edge 8ths, lower edge 16ths; other side upper edge 8ths, lower edge first 2 inches in 32nd third inch 64ths, balance 16ths inches	p- ls.	.95
2043	1 ft. 4-inch joints. Marked both sides, one side upper edge 8ths, lower edge 16ths inches; oth side upper edge first 5 centimetres in half-mil metres, balance millimetres, lower edge first inches in 32nds, next 1/2 inch 64ths, balance 16th	de er li- 2 hs	710
	inches	85	.95

Weight per doz., 1/2 lb. Packing: Twelve in a box. NOTE-Unless cases are specified, we ship rules without cases.



ONE-FOOT FOLDING STEEL RULES WITH CASES IN UNIQUE DISPLAY

This is our lowest priced, yet a good pocket rule. Of flexible spring steel, folds to 4 inches and is 3/8 inch wide. Light and convenient to carry in the pocket anywhere. Marked one side only inches to 16ths. It has "Nubian" (black) Finish background, making the raised bright figures and lines most easily read. Cases are metal-bound.

The display device is in colors, has easel back, and will stand securely

and attract attention anywhere.

ROSE TOOLS, INC

This rule and display are popular with hardware, department and general stores, shops, bazaars, and others. This is the most effective method of selling rules of this class, which appeal to the general public.

No. 041 1 Foot Steel Rule With Case

Weight per gross, 61/4 lbs. Price, per gross.....\$28.80

Packing: One doz. in display, 12 displays (1 gross rules) per carton.



FOLDING BRASS RULE

Popular with blacksmiths and other metal workers. Of hard brass, 9/16 inch wide, 15 gage (approximately 1/16 inch). Marked both sides on one edge, one side inches to 8ths, other side to 16ths.

No. 1085 2 ft. 12-inch sections. With spring joint.

Weight per doz., 31/4 lbs. Price, each.....\$1.00

Packing: Twelve in a box.

NOTE-For 2 foot, 2 fold Aluminum Rule, see Section Five of this Catalog.



BLACKSMITHS BRASS HOOK AND HANDLE RULE

For blacksmiths and others working on hot metals, and also for measuring through holes, as hubs, etc. A one-piece rule and hook of hard brass 1 1/16 x 1/10 inch. Sunken and distinct lines and figures. Marked both sides 12 inches to 16ths; one side measures from inside of hook, other side from end of rule. Flat handle. Overall length 163/4 inches.

No. 1063 12 inch. Weight each, 1/2 lb. Price, each\$2.70



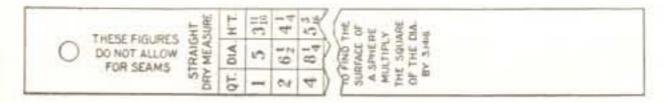
BRASS COUNTER RULES

Convenient wherever goods are sold by the yard. Extensively used in dry goods and department stores. Accurate and most satisfactory to the dealer and the public. All marked one side only, and drilled and countersunk for attaching to counter.

No. 1068 3 ft. 3/4x19 gage (1/25 inch), hard brass.

Marked in fractions of yards only as follows: 1/16, 1/8, 1/4, 1/3, 3/8, 1/2, 5/8, 2/3, 3/4 and 7/8.

01	2	3	4 /	/ 32	33	3 4	3.5	1 3
18 15 18	4 . 5 . 6	T . H . S . S	e. B. 17. D	, Sec. 60. 1	10, 103, 204, 10	93. 10a. for	Ton tien, tier	PH - 92



TINNERS STEEL CIRCUMFERENCE RULES

A STANDARD TOOL WITH TINNERS AND OTHER SHEET METAL WORKERS.

Of tempered steel, 11/4x1/16 inch (16 gage). Furnished in both plain

and nickel plated finish.

On one side this rule is marked on upper edge in standard measurement inches to 16ths, lower edge circumference inches to 8ths. With it the circumference of any circle is arrived at by simply measuring the diameter. This circumference is obtained at a direct reading, for the circumference markings bear the relation of 3.1416 to standard inches.

Other side of this rule carries a number of the most commonly used mathematical formulas, and size tables for laying out cans and measures as

follows:

ROSE TOOLS, INC

Liquid Measure, flaring, 1/4 pint to 5 gallons.

Dry Measure, flaring, 1/4 bushel to 2 bushels.

Dry Measure, straight, 1 quart to 3 bushels.

Cans, pitched top, 1 to 10 gallons.

Cans, flat top, 1 to 100 gallons.

No. 95	PLAIN.	Length	4 ft. \$4.50
No. 95	NICKEL PLATED.	Price, each\$4.50	\$5.25

NOTE—These rules can be supplied with the tables on the basis of Imperial, rather than United States wine gallons. They are regularly so furnished to the Canadian trade.

01	2	3	4 /	1 9	2	2	9	9	4	-	2	#	9
0		-	1	10	_	- U	J	- O	T		4,714	1,3	- 6

STEEL CIRCUMFERENCE RULES

Of tempered steel, 11/4x1/16 inch. Furnished in both plain and nickel plated finish.

On one side this rule is marked upper edge inches to 16ths standard measurement, lower edge circumference inches to 8ths. With this, circumferences are determined directly by applying rule to diameter, as fully described in connection with No. 95 above. (This side of No. 96 is identically same as No. 95.) On other side this rule is marked standard measurement only, upper edge 8ths, lower edge 16ths of inches.

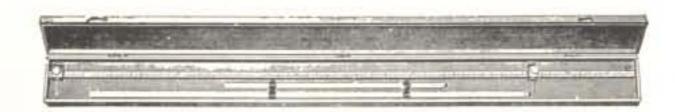
No. 96 PLAIN.	Length	4 ft. \$4.50
No. 96 NICKEL PLATED.	Price, each	\$5.25 1 lb.

THE

UFKIN

RULE CO.





THE "MAGIC" PATTERN RULE With Chart

A GREAT LABOR SAVING TOOL FOR EVERY TIN SHOP.

A most popular device for quickly and accurately laying out sheet metal elbow patterns up to 14 inches in diameter and of any angle. The "Magic" Rule can be used also as a common rule, a circumference rule, a trammel, and a straight edge for ordinary work.

Consists of a graduated 48-inch steel bar 7/16 inch square, fitted with two brass sliding trammel heads with set screws, gibs and steel points. There is also a set of three flexible steel ribbons of different lengths and gages. The bar and all its parts are nicely nickel plated. The set also includes an instruction chart. The whole outfit is put up in a good hinged wooden box.

The bar is marked diameter inches to 8ths one side, standard inches to 8ths other side. When laying out an elbow pattern, first select the proper one of the three ribbons to be used with the bar. Fasten the left-hand trammel point to the end of the bar, and set the right-hand trammel point according to the diameter elbow wanted. Then raise the steel ribbon to the required height according to the angle elbow wanted. One glance at the chart gives this height.

> For example, should an elbow be wanted 6 inches in diameter and of an angle corresponding with the long line "C" on the chart:

> Set right-hand trammel point at figure 6 on front of rule. Measure with an ordinary rule the length of the perpendicular line 6 from bottom of diagram to where it meets angle line "C". Raise steel ribbon to this height, fasten it with set screw, and it is set ready for a pattern.

The chart is 18x22 inches in size, mounted on linen and very durable. It carries in addition to the elbow diagram, rules for cutting all kinds of flaring, oval, cylindrical and cone shaped vessels with the aid of the "Magic" rule.

"Magic" Pattern Rule Complete With Chart And Box.

THE UFKIN RULE CO.

Section Four BOXWOOD RULES

OXWOOD Rules are the oldest type of folding wood rule now in common use. Ours are of genuine boxwood, thoroughly seasoned. The metal parts are of brass. Our rules are marked by improved methods, are well finished and carefully inspected.

There are three types of main joints: the round, as on popular priced rule No. 651; the sturdy square joint, also widely used; and the arch joint, a favorite with some mechanics. Boxwood Rules are made with edges plain, known as unbound; with outer edge only brass bound full length, known as half-bound; and with both edges brass bound, known as full-bound. Rules with middle plates have legs of hinge inserted in the wood; those with edge plates have legs of hinge flush with edge of the wood.

All of our Boxwood Rules have ends brass capped. All have closing pins, which hold the sections in alignment when closed. Widths specified are widths of the rules closed.

We stock and supply without extra charge Boxwood Rules in English pattern, that is, with figures running from left to right. Specify by prefixing "E" to stock number, as "E-651". The demand for such rules is practically limited to Great Britain and her possessions.

The following Boxwood Rules in English lengths, marked English and metric, are regular stock and take regular price:

465EM, 651EM, 751EM, 752EM, 771EM, 781EM, 881EM, 863L-EM, 873L-EM, 171EM, 372EM, 386EM. 388EM. 781C-EM.

We make the following rules in the I metre length, 4 fold, marked metric and English: 3851ME. 3852ME.

NOTE-Various miscellaneous rules made of boxwood are listed in Section Six of this Catalog.

118

ROSE TOOLS, INC

TWO FOOT BOXWOOD RULES

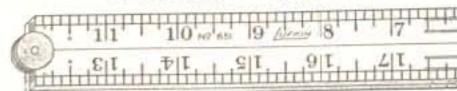
FOUR FOLD.

UNBOUND.

\$4.20

ROSE TOOLS, INC.

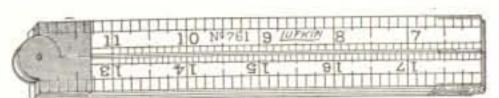
3752B



Per Doz. Number Two Foot. 1 inch wide. Round Joint. Middle Plates. 651 (68) \$3.00 Marked: 8ths and 16ths inch. The Markings And Figures, Being Especially Distinct, Are Most Easily Read. This Is The Popular Priced And Most Widely Used Boxwood Rule. Packing: I doz. in a box. Weight per doz., 11/4 lbs.

751 (61) Two Foot. 1 inch wide. Square Joint. Middle Plates. Marked: 8ths and 16ths inch. This Rule Also Has The Extra Prominent Markings And Figures, Most Legible. It Is The Largest Seller Among Medium Priced Rules.

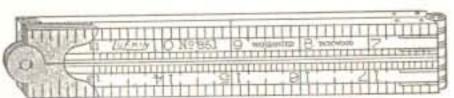
752 (70) Two Foot. 136 inch wide. Square Joint. Middle Plates. \$6.00 Marked: Drafting scales and 8ths and 16ths inch. The Extra Width Gives This Rule Greater Strength. Packing: 1/2 doz. in a box. Weights, per doz., 11/2 and 2 lbs.



760 (631/2) Two Foot. 34 inch wide. Square Joint. Edge Plates. \$6.00 Marked: 8ths, 10ths and 16ths inch. A Well Designed Narrow Rule.

761 (63) Two Foot. 1 inch wide. Square Joint. Edge Plates. Marked: Drafting scales and 8ths, 10ths, 12ths and \$6.00 16ths inch. Affords A Wide Range of Markings And The Edge Plates Make This A Superior Rule.

762 (72) Two Foot. 136 inch wide. Square Joint. Edge Plates. \$7.80 Marked: Drafting scales and 8ths, 10ths, 16ths inch. Most Durable Of Our Unbound Two Foot Rules, Being Extra Width And Having Edge Plates. Packing: 1/2 doz. in a box. Weights per doz., 1, 11/2 and 2 lbs.



851 (51) Two Foot. 1 inch wide. Arch Joint. Middle Plates. Marked: Drafting scales and 8ths, 10ths, 12ths and \$5.40 A Wide Range Of Markings. The Strong Arch Joint Also Adds To The Appearance.

Two Foot. 1% inch wide. Arch Joint. Middle Plates. \$7.80 Marked: Drafting scales and 8ths, 10ths, 16ths inch. The Neat Appearing Arch Joint In A Rule Of Extra Width. Packing: 1/2 doz. in a box. Weights per doz., 11/2 and 2 lbs.

TWO FOOT BOXWOOD RULES

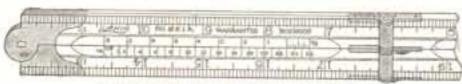


Number	FOUR FOLD, UNBOUND.	D D
861 (53)	Two Foot. 1 inch wide. Arch Joint. Edge Plates. Marked: Drafting scales and 8ths, 10ths, 12ths and 16ths inch.	Per Doz. \$7.20
	Extra Strength Is Obtained By The Edge Plates, And The Substantial Arch Joint Also Adds To The Appear- ance.	
862 (75)	Two Foot. 1% inch wide. Arch Joint. Edge Plates. Marked: Drafting scales and 8ths, 10ths and 16ths inch. Being Extra Wide And Having Edge Plates, This Is A	\$9.60

ARCHITECTS BOXWOOD RULE

Packing: 1/2 doz. in a box. Weights per doz., 11/2 and 2 lbs.

Substantial Rule.

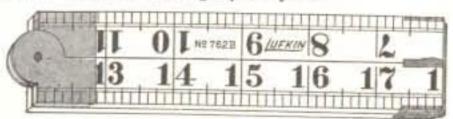


WITH INSIDE EDGES BEVELED. TWO FOOT. FOUR FOLD.

861A (531/2) 1 inch wide. Arch Joint. Edge Plates.
Marked: 1/8, 1/4, 3/8, and 1/2 inch architect's scales, and with inches in 8ths, 10ths, 12ths and 16ths. \$12.00 Designed For Work On Drawings And Plans. The Scales, Being On The Beveled Faces, Lay Close To The Work. Packing: 1/2 doz. in a box. Weight per doz., 11/2 lbs.

BLINDMANS RULES

These Boxwood Rules have especially large and heavy face figures, and are therefore very easily read. They are well adapted to use in poorly lighted places, or by persons with poor eyesight. They are also sturdy, being 13/8 inch wide and having square joint.



TWO FOOT. FOUR FOLD.

762B (7) 1% inch wide. Square Joint. Edge Plates, Marked: 8ths and 16ths inch. \$12.00 The Standard Two Foot Blindman's Rule, Extra Legible. Packing: 1/2 doz. in a box. Weight per doz., 2 lbs.

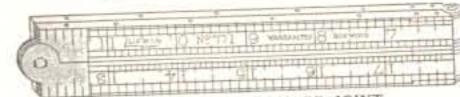


THREE FOOT. FOUR FOLD.

1 % inch wide. Square Joint. Middle Plates. Marked: 8ths and 16ths inch. \$13.80 Combining Extra Length (3 ft.) And The Blindman's, Easy Reading, Feature, This Rule Is Popular. Packing: 1/2 doz. in a box. Weight per doz., 3 lbs.

THE UFKIN RULE CO.

TWO FOOT BOXWOOD RULES BRASS BOUND. FOUR FOLD.



SQUARE JOINT. HALF BOUND.

Per Doz.

\$9.00

771 (84) Two Foot. 1 inch wide. Square Joint. Outer Edge Brass Bound. Marked: Drafting scales and 8ths, 10ths, 12ths and 16ths inch.

Our Only Standard Pattern Half Bound Rule.

Packing: 1/2 doz. in a box. Weight per doz., 2 lbs.



SQUARE JOINT. FULL BOUND.

780 (621/2) Two Foot. 34 inch wide. Square Joint. Both Edges Brass Bound. Marked: 8ths, 10ths, 12ths and 16ths inch. Among Extra Narrow 2 Foot Rules, This Is The Most Durable.

781 (62) Two Foot. 1 inch wide. Square Joint. Both Edges Brass Bound. Marked: Drafting scales and 8ths, 10ths, 12ths and 16ths inch. By Far The Most Popular Of Brass Bound Rules. A Durable And Practical Rule For Mechanics And For General Use,

782 (721/2) Two Foot. 1% inch wide. Square Joint. Both Edges Brass Bound. Marked: Drafting scales and 8ths, 10ths and 16ths inch. Being Wide Pattern And Full Brass Bound, This Rule Is Extra Durable. Packing: 1/2 doz. in a box. Weights per doz., 2, 21/2 and 3 lbs.



ARCH JOINT. FULL BOUND.

881 (54) Two Foot. 1 inch wide. Arch Joint. Both Edges Brass Bound. Marked: Drafting scales and 8ths, 10ths, 12ths and 16ths inch. The Neat Appearing Arch Joint In A Full Bound Rule Of Most Popular Width, And With Good Range of Markings.

882 (76) Two Foot. 1 % inch wide. Arch Joint. Both Edges Brass Bound. Marked: Drafting scales and 8ths, 10ths and 16ths inch. A Rule Of The Most Durable Type And With The Attractive Arch Joint. Packing: 1/2 doz. in a box. Weights per doz., 21/2 and 3 lbs.

COMBINATION RULE, LEVEL AND PROTRACTOR



FOUR FOLD. TWO FOOT.

Sturdy Boxwood Rules with Spirit Level and Protractor. Very handy for carpenters and other mechanics, and for general use. Not only practical rules, but with them angles of any degree are readily measured or laid out, by the aid of the pretractor plate. They also carry a convenient level, which, when rule is closed, is well protected Per Doz.

Number 863L

Two Foot. 11/2 inch wide. Arch Joint. Edge Plates. Marked: Drafting scales and 8ths and 16ths inch.

\$24.00

Two Foot. 11/2 inch wide. Arch Joint. Outer Edge Brass Bound. Marked: Drafting scales and 8ths and 16ths inch. 873L Packing: 1 rule in a box. Weights each, 4 and 5 oz.

THREE FOOT BOXWOOD RULES



FOUR FOLD. UNBOUND

Per Doz.

3851 (661/2) Three Foot. I inch wide. Arch Joint. Middle Plates.

Marked: 8ths and 16ths inch.

\$9.00

THE

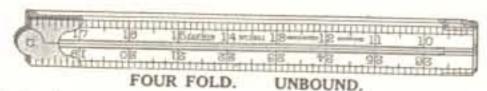
UFKIN

RULE

CO.

Rules Of This Length Are Steadily Becoming More Popular.

Packing: 1/2 doz. in a box. Weight per doz., 2 lbs.



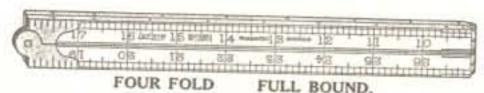
3861 (661/4) Three Foot. 1 inch wide. Arch Joint. Edge Plates.

Marked: 8ths and 16ths inch. A Good Rule, Having Edge Plates And Arch Joint.

\$10.80

Packing: 1/2 doz. in a box. Weight per doz., 2 lbs.

ROSE TOOLS, INC.



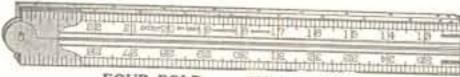
3881 (663/4) Three Foot. 1 inch wide. Arch Joint. Both Edges Brass Bound.

Marked: 8ths and 16ths inch. The Best Three Foot Rule.

\$22.20

Packing: 1/2 doz. in a box. Weight per doz., 31/4 lbs.

FOUR FOOT BOXWOOD RULE



FOUR FOLD. FULL BOUND.

4883 (94) Four Foot. 11/2 inch wide. Arch Joint. Both Edges Brass Bound. Marked: 8ths and 16ths inch. \$40.20 The Longest Of Our Folding Boxwood Rules. Staunchly Built, Of Good Width, And, Being Full Bound, Stands Up Well. Opening In I ft. Sections, This Is An Especially Practical Rule With Which To Take The Longer Measurements.

Packing: 1/2 doz. in a box. Weight per doz., 51/2 lbs.

BOXWOOD CALIPER RULES

Universally used in measuring pipe and fittings, rods and bars, bolts, nuts, and in other rough calipering work. Suitable as well for all measuring, the rule itself also being graduated. One leg of these rules carries a brass caliper slide, which is marked on outside face to 32nds, inside face to 16ths inch.

FOUR FOLD.

TWO FOLD. SIX INCH.

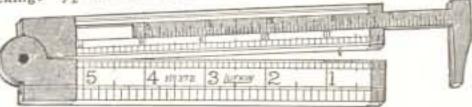
ONE FOOT.

Per Doz. 171 (36) Six Inch. Two Fold. 1 inch wide. Square Joint. Unbound. Marked: Rule..... 8ths, 10ths, 12ths and 16ths inch; Caliper..... 16ths and 32nds inch. \$7.20 A Compact, Light Weight Pocket Rule and Caliper.

172 (131/2) Six Inch. Two Fold. 136 inch wide. Square Joint. With brass bit plate, protecting wood from closing pin. Marked: Rule 8ths and 16ths inch; \$10.20 Caliper. . . . 16ths and 32nds inch. A Short, Sturdy Rule And Caliper.
Packing: 1/2 doz. in a box. Weight per doz., 1 lb.

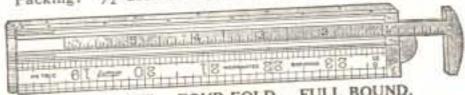
386 (32) One Foot. Four Fold. 1 inch wide. Arch Joint. Edge Plates. Marked: Rule 8ths, 10ths, 12ths and 16ths inch; \$10.80 Caliper. . . . 16ths and 32nds inch.
A Convenient Small Pocket Size, Yet Opens To One Foot. 388 (321/2) One Foot. Four Fold. 1 inch wide. Arch Joint. Full Bound.
Marked: Rule...... 8ths, 10ths, 12ths and 16ths inch: \$16.20

Caliper. . . . 16ths and 32nds inch. A Durable Rule. One Foot Long. Yet Folds to 3 Inches. Packing: 1/2 doz. in a box. Weights per doz., 11/2 and 13/4 lbs.



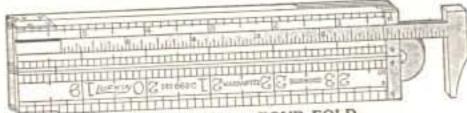
TWO FOLD. ONE FOOT.

372 (361/2) 1% inch wide. Square Joint. With brass bit plate, protecting wood from closing pin. Marked: Rule..... 8ths, 10ths, 12ths and 16ths inch: Caliper.... 16ths and 32nds inch.
Popular Because Of Length of Caliper, And Being a Sturdy Rule. \$10.20 Packing: 1/2 doz. in a box. Weight per doz., 13/4 lbs.



TWO FOOT. FOUR FOLD. FULL BOUND.

781C (62C) 1 inch wide. Square Joint. Both Edges Brass Bound. Marked: Rule..... 8ths, 10ths, 12ths and 16ths inch; Caliper. 16ths and 32nds inch. Very Practical And Popular Both As Rule and Caliper. A 6 Inch Caliper In A Durable, Standard Size, 2 Foot Rule. Packing: 1/2 doz. in a box. Weight per doz., 23/4 lbs.



TWO FOOT. FOUR FOLD.

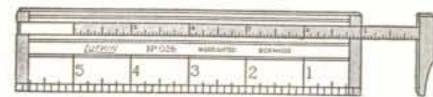
862C (83C) 1% inch wide. Arch Joint, Edge Plates. Marked: Rule..... 8ths, 10ths and 16ths inch; Caliper, 16ths and 32nds inch. Combines The 6 Inch Caliper Slide And A Substantial Rule, Having Edge Plates And Arch Joint.
Packing: 1/2 doz. in a box. Weight per doz., 23/4 lbs.

BOXWOOD CALIPER GAGES

FOUR INCH. SIX INCH.

This line of one-piece (not folding) Caliper Gages was developed by The Lufkin Rule Co. and is proving very popular. While the wood part, as well as the caliper slide, is graduated, these are primarily for ordinary calipering work, about mills, shops, stores, etc. They will quickly measure diameter of pipe and fittings, bolts and nuts, bars, rods, etc., and, being compact, are conveniently carried in the pocket everywhere.

> Markings: On all these gages the caliper slide is marked 32nds on outside, 16ths inch on inside face; the rule, or wood part, is in 8ths and 16ths.



	nber						Per Doz.
014	Four Inch.	1	in. wide.	Unbound.	Weight per doz.		
016	Six Inch.	1	in. wide.	Unbound.	Weight per doz., I	lb.	7.20
024	Four Inch.	1%	in, wide,	Unbound.	Weight per doz., 1	Ib.	6.60
026	Six Inch.	1 %	in, wide,	Unbound.	Weight per doz., 15	4 lb.	7.80

NOTE—Button Gage....024 can, at small extra charge, be supplied with caliper marked 40ths of an inch, as used in measuring buttons. Known as rule No. 024B.

ROSE TOOLS, INC.

ONE FOOT BOXWOOD RULES



FOUR FOLD. UNBOUND.

465 (69) One Foot. % inch wide. Round Joint. Middle Plates. Marked: 8ths and 16ths inch. Discontinued A Very Small, Low Priced Rule, Designed For Light

Packing: I doz. in a box. Weight per doz., 1/2 lb.



FOUR FOLD. UNBOUND. 475 (65) One Foot. % inch wide. Square Joint. Middle Plates. Marked: 8ths and 16ths inch. Our Very Small Pocket Rule With Square Joint. Packing: 1/2 doz. in a box. Weight per doz., 1/2 lb.

Discontinued



FOUR FOLD. FULL BOUND.

478 (651/2) One Foot. 1/2 inch wide. Square Joint. Both Edges Brass Bound. Marked: 8ths and 16ths inch. Discontinued Most Substantial Of Our Very Small One Foot Rules. A Convenient Vest Pocket Size. Packing: 1/2 doz. in a box. Weight per doz., I lb.

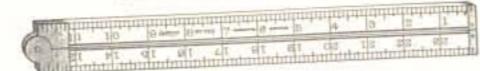
THE

UFKIN

RULE

TWO FOOT BOXWOOD RULE

THE MANUAL TRAINING RULE



TWO FOLD. UNBOUND.

Per Doz.

703 (18) Two Foot, 11/2 inch wide, Square Joint,

\$6.00

Marked: 8ths and 16ths inch. This Is The Medium Priced Rule In 12-Inch Sections, A Type That Is Widely Used In Manual Training And Vocational School Work.

Packing: 1/2 doz. in a box. Weight per doz., 2 lbs.

NOTE-For I foot, one-piece Manual Training Rules in maple and boxwood, see page 138.

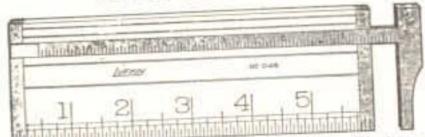
SHIP CARPENTERS BEVEL



One Foot. Boxwood Rule. % inch wide. With 2 brass tongues. The tongues or bevels fold into the rule. 42 \$7.80 Rule marked. 8ths and 16ths inch. Well Adapted To Work Such As That Of Ship Carpenters.

Packing: I doz. in a box. Weight per doz., 2 lbs.

SPOKE CALIPER RULE



A Boxwood Rule with brass caliper slide. Designed and especially suitable for calipering diameter of wood spokes for automobile and other wheels. Being a wide and substantial 6-inch Caliper Rule, this article will prove handy in other fields.

Six Inch. 2 inches wide. Not folding. Marked: Rule and Caliper in 16ths inch. 046

\$24.00

ROSE TOOLS, INC.

Packing: 1/2 doz. in a box. Weight per doz., 2 lbs.

HOOK STAVE RULE



Designed to meet the needs of barrel manufacturers in measuring staves. A substantial 6 inch one-piece Boxwood Rule, fitted at one end with strong brass hook, other end brass capped.

Six Inch. 34 inch wide. Marked: Lower edge of both sides, inches to 16ths, measuring from inside of hook.

Packing: 1/2 doz. in a box. Weight per doz., 1 lb.

Section Five

SPRING JOINT RULES

PRING Joint Wood Rules are the type of rule most widely used in common measuring. Ours are made of flexible, tough hardwood sections, nicely enameled and securely assembled, with firm, yet smooth-working spring joints.

We offer not only a complete line, but also exclusive features and items. Among these are the following:

The Folding End Hook Attachment, just the thing for taking measurements out of arm's reach, and handy in all places.

Boxwood Extension Rules, ideal for taking inside as well as other measurements. The sections are somewhat heavier than those of common folding rules and are of genuine boxwood, making an article of the highest grade.

In Concealed Joint Rules the rivet is not visible: in the Rivet Joint Rules it passes entirely through the wood. The price of both is the same, and they sell in about equal quantities. All our Spring Joint Wood Rules have ends metal capped

LUMINUM Folding Rules are also listed in this section of catalog. For these rust-proof metal rules there is large demand. Like all aluminum rules, ours are light weight, but the material we use is a composition made especially for our purpose, producing a durable rule that holds its shape well.

Aluminum Rules With Folding Hook. This is an entirely new thing in rules of this kind. It is the feature that has proven so popular in connection with our Spring Joint Wood Rules. It is an exclusive Lufkin improvement and will stimulate the sale of Aluminum Rules as it has that of the others.

> NOTE-Spring Joint Board and Log Rules, No. 523 and No. 524, are listed in Section Seven of this Catalog.

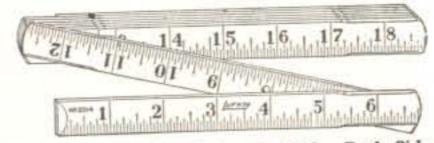
THE UFKIN RULE CO.

047

SPRING JOINT RULES

Flexible. Six-Inch Folds. 5/8 Inch Wide.
Brass Plated Trimmings.

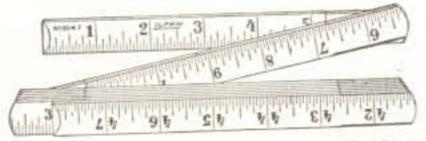
CONCEALED JOINTS



Marked Consecutive Inches to 16ths, Both Sides.

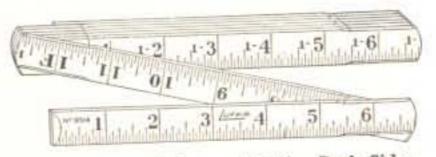
No. White Enameled No. Wt. Doz. Per Doz.
8612 2 ft. 1 lbs. \$3.00 8613 3 ft. 1½ lbs. 4.20 8614 4 ft. 2 lbs. 5.40 8615 5 ft. 2½ lbs. 6.60 8616 6 ft. 3 lbs. 7.80 8618 8 ft. 4 lbs. 10.20
00 00 00 00

NOTE-For Above Rules With Folding End Hook, See Page 131.



With Inside Marking (numbering commences on inside face of rule)
Marked Consecutive Inches to 16ths, Both Sides.

	50700	-			White Er	nameled	
No. 8513F 8514F 8515F 8516F 8518F	Yell 3 ft. 4 ft. 5 ft. 6 ft. 8 ft.	Wt. Doz. 1½ lbs. 2 lbs. 2½ lbs. 3 lbs. 4 lbs.	Per Doz. \$3.60 4.80 6.00 7.20 9.60	No. 8613F 8614F 8615F 8616F 8618F	3 ft. 4 ft. 5 ft. 6 ft.	Wt. Doz. 1½ lbs. 2 lbs. 2½ lbs. 3 lbs. 4 lbs.	\$4.20 5.40



Marked Feet, Inches and 16ths, Both Sides.

With Instantaneous Readings (foot numbers in red and repeated at each inch).

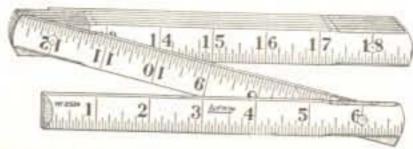
	Yellow Enamele		White E	Per Doz.		
No. 9513 3 9514 4 9515 5 9516 6	Wt. Doz. ft. 1½ lbs. ft. 2 lbs.	-	No. 9613 9614 9615 9616 9618	3 ft. 4 ft.	11/2 lbs. 2 lbs. 21/2 lbs. 3 lbs. 4 lbs.	5.40

Packing: 2 and 3 ft. rules....1 doz. in a box; all other lengths.... 1/2 doz. in a box.

SPRING JOINT RULES

Flexible. Six-Inch Folds. 5/8 Inch Wide.
Brass Plated Trimmings.

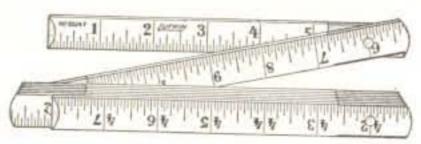
RIVET JOINTS



Marked Consecutive Inches to 16ths, Both Sides

	Yell	ow Enamele	1				
No.		Wt. Doz.	7.	1200	White E	nameled	
8522	2 ft.	l lbs.	Per Doz. \$2.40	No. 8622	2 ft.		Per Doz.
8523	3 ft.	11/2 lbs.	3.60	8623	3 ft.	1 1/2 lba.	\$3.00 4.20
8524 8525	4 ft. 5 ft.	2 lbs.	4.80	8624	4 ft.	2 lbs.	5.40
8526	6 ft.	3 lbs.	7.20	8625 8626	5 ft.	21/2 lbs.	6.60
8528	8 ft.	4 lbs.	9.60	8628	6 ft. 8 ft.	3 lbs. 4 lbs.	7.80

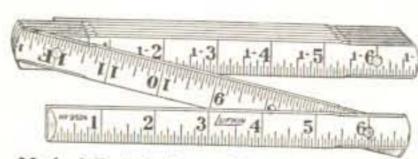
NOTE-For Above Rules With Folding End Hook, See Page 131.



With Inside Marking (numbering commences on inside face of rule)
Marked Consecutive Inches to 16ths, Both Sides.

ROSE TOOLS, INC.

Yellow Enameled					White Enameled						
No. 8523F 8524F 8525F 8526F 8528F	4 5 6	ft. ft. ft. ft.	2½ 1 3 1	bs. bs.	Per Dez. \$3.60 4.80 6.00 7.20 9.60	No. 8623F 8624F 8625F	3 4 5 6	ft. ft. ft. ft. ft.	Wt. 11/2 2		Per Doz. \$4.20 5.40 6.60 7.80 10.20



Marked Feet, Inches and 16ths, Both Sides.
With Instantaneous Readings (foot numbers in red and repeated at each inch).

	27.11						menj.
No.	Iell	ow Enamele			White E	nameled	
9523	3 ft.	Wt. Doz.	0.00	No.		Wt. Doz.	Per Doz.
9524	4 ft.	11/2 lbs.	\$3.60	9623	3 ft.	11/2 Iba.	
9525	5 ft.	2 lbs.	4.80	9624	4 ft.	2 lbs.	5.40
9526	6 ft.	2½ lbs. 3 lbs.	6.00	9625	5 ft.	21/2 lbs.	6.60
9528	8 ft.	4 lbs.	7.20	9626	6 ft.	3 lbe.	7.80
200000000000000000000000000000000000000	0 114	4 108.	9.60	9628	8 ft.	4 lbs.	10.20

Packing: 2 and 3 ft. rules....1 doz. in a box; all other lengths.... 1/2 doz. in a box.

THE

UFKIN

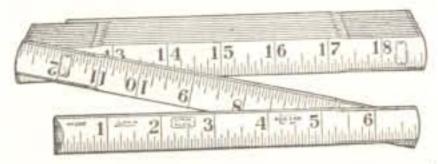
"RED END" SPRING JOINT RULES

With Strike Plates

Flexible Six-inch Folds 5/8 inch wide

Trimmings of Solid Brass

Concealed Joints



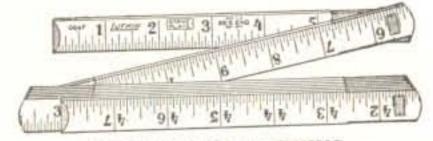
"RED END" Spring Joint Rules are the finest wood rules on the market. Joints and Strike Plates are of solid brass. Strike Plates are small brass plates fastened to the flat surfaces of each rule section which prevent the wearing away of the lines and figures when opening and closing the rule.

The Cream Enamel is a finish found on no other rule and is a marked improvement over the common yellow finish. The White Enamel is as near "Snow White" as it is possible to obtain and both colors have a beautiful gloss finish which will not crack, chip or blister. All ends are gloss red which give the rules a "dressed up" appearance and quickly distinguish them from the common grades of folding wood rules.

Marked Consecutive Inches to 16ths, Both Sides

	Cream Enameled					White Enameled						
No.			Wt. I	oz. Per lbs. \$	Doz.	No. 063	3		Wt. I			
		ft.	2		6.00	064			2	lbs.		6.60
120000000000000000000000000000000000000			B	lbs.	7.20	065	5	ft.	21/2	lbs.		7.80
056		ft.		lbs.	8.40	066	6	ft.	3	lbs.		9.00
058	8	ft.	4	lbs.	10.80	068	8	ft.	4	lbs.		11,40

NOTE:-For Above Rules With Folding End Hook, See Page 131.



WITH INSIDE MARKING

(Numbering commences on inside face of rule)

Marked Consecutive Inches to 16ths, Both Sides

White Enameled Only

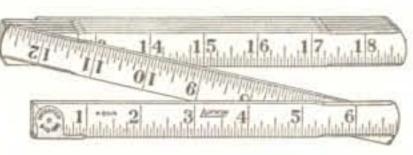
No.		Wt.	Doz.	Per Doz.
064F	4 ft.	2	lbs.	\$ 6.60
065F	5 ft.	2 1/2	lbs.	7.80
066F	6 ft.	3	lbs.	9.00
068F	8 ft.	4	lbs.	11.40

SPRING JOINT RULES WITH FOLDING HOOK

(Patented June 13, 1916)

Flexible. Six-Inch Folds. 5/8 Inch Wide.





Showing Hook Closed

AN EXCLUSIVE LUFKIN FEATURE MEETING AN EVERYDAY NEED.

Just the thing for taking measurements out of arm's reach, and handy in all measuring. A small, substantial steel hook fitted to one end of Spring Joint Rules, so attached that with but a twist of the finger it will fold up and remain flush with the edge of the rule, making it for use same as ordinary rules without hook. Zero point falls at inside of hook when open, at extreme end of rule, same as regular rules, when hook is closed.

Concealed Joints. Brass Plated Trimmings.

Marked Consecutive Inches to 16ths, Both Sides.

ROSE TOOLS, INC.

H058

8 ft.

Yellow Enameled					White Enameled						
No.		Wt. D	oz.	Per Doz.	No.			Wt.	Doz.	Per Doz.	
H8514	4 ft.	2 1	beat	\$5.40	H8614	4	ft.	2	lbs.	\$6.00	
H8515	5 ft.	21/2 11	bs.	6.60	H8615	5	ft.	21/2	lbs.	7.20	
H8516	6 ft.	3 1	bs.	7.80	H8616	6	ft.	3	lbs.	8.40	
H8518	8 ft.	4 1	bs.	10.20	H8618	8	ft.	4	lba.	10.80	

Rivet Joints. Brass Plated Trimmings.

Marked Consecutive Inches to 16ths, Both Sides.

Yellow Enameled			White Enameled							
No.		Wt. I	oz.	Per Doz.	No.			Wt.	Doz.	Per Doz.
H8524	4 ft.	2	lbs.	\$5.40	H8624	4	ft.	2	lbs.	\$6.00
H8525	5 ft.	21/21	lbs.	6.60	H8625	5	ft.	21/2	lbs.	7.20
H8526	6 ft.	3	lbs.	7.80	H8626	6	ft.	3	lbs.	8.40
H8528	8 ft.	4	bs.	10.20	H8628	8	ft.	4.	lbs.	10.80

"RED END" RULES

Wi	With Strike Plates		tes	Solid Brass Trimmings			Concealed Joints				
	M	arked	Cor	secutive	Inches to 16ths,	Both	Sides				
	Cream	Enam	eled			White	Enameled				
No.		Wt.	Doz.	Per Doz.	No.		Wt. Doz.	Per Doz			
H054	4 ft.	2	Ibs.	\$6.60	H064	4 ft.	2 lbs.	\$7.20			
H055	5 ft.	21/	Ibs.	7.80	H065	5 ft.	2 1/2 lbs.	8.40			
Hose	6 60	2	Ilba	0.00	Mace	ce	3 Il.	0.60			

H068

8 ft.

11.40

Packing:-3 ft. rules, 1 doz, in box; All other lengths 1/2 doz, in box.

12.00

THE

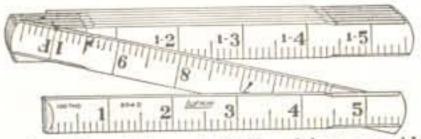
UFKIN

RULE

132

Flexible.

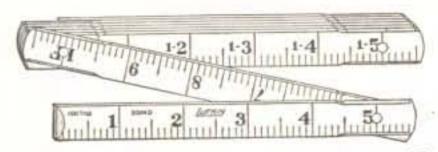
SPRING JOINT RULES 5/8 Inch Wide. Six-Inch Folds. Brass Plated Trimmings.



Marked Feet, 10ths and 100ths of feet, one side; Feet, Inches and 16ths other side.

Instantaneous Readings (foot numbers in red and repeated at each 10th and each inch).

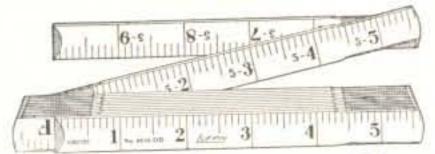
		CONCEALE	D JOINIS W	hite En	meled	
No. 9514D 9515D	Yellow Enameled Wt. Doz. 4 ft. 2 lbs. 5 ft. 2½ lbs.	Per Doz. \$4.80 6.00	No. 9614D 9615D 9616D	4 ft. 5 ft. 6 ft.	Wt. Doz. 2 lbs. 2½ lbs. 3 lbs.	\$5.40 6.60 7.80



Marked Feet, 10ths and 100ths of feet, one side; Feet, Inches and 16ths other side. Instantaneous Readings (foot numbers in red and repeated at each 10th and each inch).

	KIVELJ	OHITI			
9524D 4 ft. 2 9525D 5 ft. 21/2	Doz. Per Doz. lbs. \$4.80 lbs. 6.00 lbs. 7.20	No. 9624D 9625D 9626D	White E. 4 ft. 5 ft. 6 ft.	Wt. Doz. 2 lbs. 2½ lbs. 3 lbs.	Per Doz. \$5.40 6.60 7.80

Packing: 1/2 doz. in a box.



Marked Feet, 10ths and 100ths of Feet Both Sides

Instantaneous Readings (foot numbers in red and repeated at each 10th).

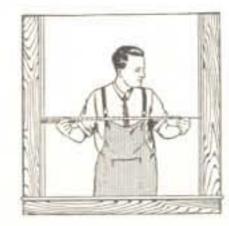
> CONCEALED JOINTS White Enameled Only

Wt, per doz. Per Doz. No. \$7.80 3 lbs. 9616DD 6 ft.

Packing:-1/2 doz. in a box.

For Inside Measurements

ROSE TOOLS, INC



For Regular Measurements

THE UFKIN RULE CO.

A MOST CONVENIENT RULE FOR BOTH PURPOSES

Particularly designed for taking inside measurements of openings such as door and window frames, for boilers, and other such measurements as are difficult to take with the ordinary folding rule. This rule, however, also perfectly serves every purpose of a common rule in ordinary measuring, and is extra durable. It will appeal especially to carpenters, architects, contractors, inspectors, automobile workers and others.

A six-inch graduated brass slide is fitted into the first section of the rule. This slide runs in a T slot, and, having stop at each end, cannot fall out.

The rule is made of genuine boxwood, with secure, smooth-working spring joints of the rivet type. The sections being of extra weight, the rule is somewhat more rigid than ordinary folding rules. The markings are especially distinct and the article is well finished in the natural boxwood.

> To take an inside measurement, open rule to within 6 inches or less of the distance. Extend the brass slide by push button to point of measurement. Then add measurement on brass slide to that shown at extreme end of rule. This extension slide is well adapted also to measuring depth of mortises and other holes.

Rule Marked Consecutive Inches to 16ths, Both Sides. Brass Slide Marked Inches to 16ths.

No.		Wt. Per Doz.	Per Doz.
X8536	6 ft. (12 fold)	4 1/4 lbs.	\$16.00

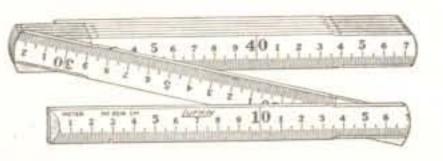
Packing: 1/2 doz. in a box. WITH FOLDING HOOK

No. Wt. Per Doz. Per Doz. HX8536 6 ft. (12 fold) \$17.20 41/4 lbs. Packing: 1/2 doz. in a box.

METRIC SPRING JOINT RULES

Brass Plated Trimmings. 5/8 Inch (16 mm) Wide. Flexible.

CONCEALED JOINTS



In ordering metric rules always specify number of folds, in addition to stock number, as "7511ME-5 fold," etc.

YELLOW ENAMELED

WHITE ENAMELED

Marked Metric And English. Inches to 16ths one side; millimetres other side.

8514EM	2 ft. (4 Fold) 3 ft. (6 Fold) 4 ft. (8 Fold) 5 ft. (10 Fold)	Wt. Per lox. Lbs. 1 1 ½ 2 2 ½ 3	Per Doz. \$2.40 3.60 4.80 6.00 7.20	8613EM 8614EM 8615EM	2 ft. (4 Fold) 3 ft. (6 Fold) 4 ft. (8 Fold) 5 ft. (10 Fold) 6 ft. (12 Fold)	Wt. Per Dox. Lbs. 1 1 1/4 2 2 1/4 3	Per Doz. \$3.00 4.20 5.40 6.60 7.80
7511ME 7511ME 7511ME 7511ME 7512ME 7512ME	5 FOLD, 1 metre	1 % -1 % 3 %	3.60 4.20 4.80 5.40 6.60 7.20	7611ME 7611ME 7611ME 7611ME 7612ME 7612ME	8 FOLD, 1 metre	1% 1% 3%	4.20 4.80 5.40 6.00 7.20 7,80

Marked Metric Only. Millimetres Both Sides.

Number Doz. Lbs. Doz. Number Wt. Per Doz. Lbs.	Daz.
Number 7511MM SFOLD 1 metre 134	\$4.20
7511MM 6FOLD 1 metre	4.50
7511MM 8 FOLD, I metre 134	5.40
7511MM 10 FOLD, 1 metre 1%	6.00
7517MM 10 FOLD 2 metres 314	7,20
7512MM 10 FOLD, 2 metres 3 % 7512MM 12 FOLD, 2 metres 3 % 7.20 7612MM 12 FOLD, 2 metres 3 %	7.80

Marked Metric, English And Burgos (Spanish). Metric and Burgos one side; inches to 16ths other side.

727 91		t. Per	Per	Number		Wt. Per Doz. Lbs.	Per Doz.
	6 FOLD, 1 metre 10 FOLD, 1 metre 10 FOLD, 2 metres	1%	\$4.80 6.00 7.20	7611MEB 7611MEB	6 FOLD, 1 metre 10 FOLD, 1 metre 10 FOLD, 2 metre	144	85.40 6.60 7.80
8514EMB	& FOLD, 4 foot	2	5.40	8614EMB	8 FOLD, 4 foot	2	6.00

Packing: 2 ft., 3 ft., and 1 metre rules, 1 doz. in a box; all other lengths, 1/4 doz. in a box.

NOTE-Metric rules can be furnished with the folding end hook, as described on page 131. Specify as "H 7511ME 10 Fold", etc.

We regularly stock rules marked English upper edge, metric lower edge of both sides. Specify as "7511MEME", etc. Price same as MEB rules.

We can supply rules marked Metric and Norsk (Norwegian) measurement:

also Metric, English and Norsk.

We can supply rules marked Vershok and Sagene (Russian) measurements, such rules also carrying English and metric marking.

METRIC SPRING JOINT RULES

Flexible. 5/8 Inch (16 mm) Wide. RIVET JOINTS

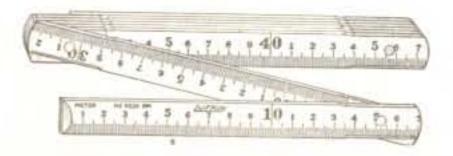
Brass Plated Trimmings.

THE

UFKIN

RULE

CO.



In ordering metric rules always specify number of folds, in addition to stock number, as "7521ME-5 fold", etc.

YELLOW ENAMELED

ROSE TOOLS, INC.

WHITE ENAMELED

Marked Metric and English. Inches to 16ths one side; millimetres other side.

8523E 8524E 8525E	M 2 ft. (4 Fold) M 3 ft. (6 Fold) M 4 ft. (6 Fold) M 5 ft. (10 Fold) M 6 ft. (12 Fold)	Wt. Per Doz. Lbs. 1 1/2 2 2 1/2 3	Per Doz. \$2.40 3.60 4.80 6.00 7.20	8623EM 8624EM	4 ft. (8 Fold) 5 ft. (10 Fold)	Wt. Per Doz. Lbs. 1 1 1/2 2 2 1/2 3	Per Doz. \$1.00 4.20 5.40 6.60 7.80
7521M 7521M 7521M 7521M 7522M 7522M	E 6 FOLD, 1 metro E 8 FOLD, 1 metro E 10 FOLD, 1 metro E 10 FOLD, 2 metro	1.% 1.% 1.% 1.% 1.%	\$3.60 4.20 4.80 5.40 6.60 7.20	7621ME 7621ME 7621ME 7621ME 7622ME	5 FOLD, 1 metre 6 FOLD, 1 metre	1.14 1.16 1.16 1.16 1.16	\$4.20 4.80 5.40 6.00 7.20

Marked Metric Only. Millimetres both sides

			ALLESS LUCES CO	Dom sides.			
Number		Wt. Per Doz. Lbs.	Per Doz.	Number		Wt. Per Doz. Lbs.	Per
7521MM	5 FOLD, 1 metro	1.74	\$3.60	7621 MM	5 FOLD, 1 metre		
7521 MM	6 FOLD, 1 metre	1.44	4.20	7621MM			\$4.20
7521 MM			4.80	7621MM	6 FOLD, 1 metre		4.80
7521MM			5.40	(1 P. 7)	8 FOLD, 1 metre		5.40
7522MM	10 FOLD, 2 metres		6.60	7621MM	and the second of the second of	7.%	6.00
7522MM	12 FOLD, 2 metres	4.1		7622MM	10 FOLD, 2 metre	316	7.20
	ear one, a merre	3.54	7.20	7622MM	12 FOLD, 2 metres	3 14	7.80

Marked Metric, English And Burgos (Spanish). Metric and Burgos one side; inches to 16ths other side.

Number	Wt. Per Dez, Lbs.	Per Doz.	Number Wt. Per Doz. Lbs.	Per
7521MEB	6 FOLD, 1 metre 1% 10 FOLD, 1 metre 1%	\$4.80 6.00	7621MEB 6 FOLD, I metre 1%	Doz. \$5.40 6.60
7522MEB 8524EMB	8 FOLD, 4 foot 2	7.20 5.40	7622MEB 10 FOLD, 2 metres 3 % 5624EMB 8 FOLD, 4 foot 2	7.80

Packing: 2 ft., 3 ft., and 1 metre rules, 1 doz. in a box; all other lengths, 1/2 doz. in a box.

ALUMINUM RULES Six-Inch Folds. 9/16 Inch Wide.



FOR THESE RUST-PROOF AND LIGHT WEIGHT METAL RULES THERE IS LARGE DEMAND

Our Aluminum Rule Is Of A Special Hardness, Therefore Is Durable And Holds Its Shape Well.

The Aluminum Rule occupies a position between folding wood and steel rules, both as regards weight and durability. It is especially popular in the building trades, and in mills, shops, etc., where folding wood rules are often broken.

While of a size accommodating good legible markings and figures, it is light and convenient to carry. Being of aluminum and having solid brass joints, our rules are rust-proof throughout. The spring joints are of the rivet type. The surface of rule is in natural color, with sunken graduations and figures in black showing up distinctly

Marked Consecutive Inches to 16ths, Both Sides.

No.		Wt. Per Doz.	Per Doz.
1203	3 ft.	2 1/4 lbs.	\$12.60
1204	4 ft.	3 lbs.	16.80
1205	5 ft.	3 1/4 lbs.	21.00
1206	6 ft.	4 lbs.	25.20

Marked Feet, 10ths and 100ths of Feet, One Side; Feet, Inches and 16ths, Other Side

Graduations begin at same end on both sides.

9.7		Wt. Per Doz.	Per Doz.
No.		A The	\$25.20
1306D	6 ft.	4 lbs.	de sien

Packing: ¼ doz. in a box.

ALUMINUM RULES WITH FOLDING HOOK Six-Inch Folds. 9/16 Inch Wide.



JUST THE THING FOR TAKING MEASUREMENTS OUT OF ARMS REACH

These Rules are same as those above except having hook. This is the feature that has proven so popular in connection with our Wood Rules. While ideal for taking measurements out of usual reach, it is handy in many other places, yet in no way interferes with the use of the rule in the ordinary manner.

A small substantial steel hook is fitted to one end, so attached that it readily folds up and remains flush with edge of rule. Zero point falls at inside of hook when open, at extreme end of rule, same as other rules, when hook is closed.

Marked Consecutive Inches to 16th, Both Sides.

No.		Wt. Per Daz.	Per Doz.
H1204	4 ft.	3 lbs.	\$18.00
H1205	5 ft.	334 lbs.	22.20
H1206	6 ft.	4 lbs.	26.40

Marked Feet, 10ths and 100ths of Feet, One Side; Feet, Inches and 16ths Other Side

Graduations begin at same end on both sides.

No. Wt. Per Doz. Per Doz. H1306D 6. ft. 4 lbs. \$26.40 Packing: ½ doz. in a box. THE UFKIN RULE CO.

Section Six

MISCELLANEOUS WOOD RULES ET CETERA

THIS Section embraces the following varied assortment of Wood Rules, Measuring Sticks, and other unclassified items, practically all in common use:

FLAT WOOD RULES.
YARD STICKS,
METRE STICKS.
MANUAL TRAINING RULES.
BOXWOOD SHRINKAGE RULES.
EXTENSION RULES.
FREIGHT RULES,
GAUGING AND WANTAGE RODS.
SHOEMAKERS SIZE STICKS.

ROSE TOOLS, INC

"PERFECTION" GLASS BOARDS.
GLASS CUTTERS AND GLAZIERS RULES.
GLASS CUTTERS L AND T SQUARES.

TAILORS AND DRESSMAKERS SQUARES. TAILORS MEASURING STICKS. YARD AND 11/4 YARD STICKS. CURVE STICKS.

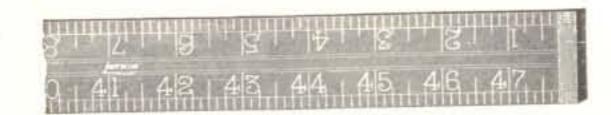
Most of these items are regularly stocked by hardware houses; all are obtainable through them. Some few, such for instance as Shoemakers Size Sticks, are distributed principally through supply houses reaching individual lines of trade.

"Perfection" Glass Boards, Glass Cutters Rules, etc., are handled as well by manufacturers and distributors of glass and supplies for that trade.

Our Tailors Squares and Measuring Sticks are stocked by tailor trimming houses in all centers. Ours is the most complete and high grade line of this kind, and on it, as on our other goods, we are equipped to give prompt, efficient service.

FLAT WOOD RULES

Bench Rules For General Shop And Factory Use, And For Saddlers, Mechanics, Etc.



These are one-pièce polished hard maple bench or table rules. On such work, or wherever many long measurements are taken, the 4, 5 and 6 foot lengths save much time as compared with yard sticks. Being marked both edges of both sides, with zero falling at opposite ends, these rules can instantly be brought to the work in any position.

The bound rules have brass binding entire length of both edges and are valuable in cutting or wherever the rule is subject to much wear.

Marked Both Sides, Both Edges, One Side 8ths, Other Side 16ths Inch.

No. 7131 7132 7133 7134 7135	Length 24 inch. 36 inch. 48 inch. 60 inch. 72 inch.	Brass Capped. Brass Capped. Brass Capped. Brass Capped. Brass Capped.	Dimensions 1½x3/16 inch. 1½x3/16 inch. 1½x¼ inch. 1½x¼ inch. 1½x¼ inch.	Wt. Per Doz. Per Doz. 21/4 lhs \$ 6.60 31/4 lhs 9.60 51/2 lbs 13.20 63/4 lbs 16.80 8 lbs 21.00
7131 ½	24 inch.	Brass Bound. Brass Bound. Brass Bound. Brass Bound. Brass Bound.	1½x3/16 inch.	3½ lbs\$24.00
7132 ½	36 inch.		1½x3/16 inch.	5½ lbs33.00
7133 ½	48 inch.		1½x½ inch.	9 lbs42.00
7134 ½	60 inch.		1½x¼ inch.	10½ lbs54.00
7135 ½	72 inch.		1½x¼ inch.	13½ lbs66.00

MANUAL TRAINING RULES

Marre		mmmmmmmm	Tired String	मरम्मामान्त्री ।	THE PERSON	Hildiliti	mindahi	antara barta da la facilita de la constanta de
1	11	10	9	a	4	3	n	1
	91	91	E)	11		6	J O	I I
		8	-11/11	1111	1111	TITT	THIT	

Handy one-foot, one-piece rules that are especially popular in the manual training and vocational school fields.

Marked Both Sides, Both Edges, One Edge 8ths, Other Edge 16ths Inch.

No.	Length		Dimensions	Wt. Per. Doz.	Per Doz.
	1 ft. Maple.	Brass Capped.			
34 16	1 ft. Boxwood.	Brass Capped.	11/8x3/16 inch.	1 10.	

NOTE-For Steel Rule No. 60, 1 ft. and 2 ft. for school use, see page 107.

For 2 ft. Folding Wood Rule for manual training use, see page 126.

BOXWOOD SHRINKAGE RULES

For Pattern Makers



TWO FOOT. BRASS CAPPED.

Boxwood Shrinkage Rules are suitable for rough work. Ours are high grade rules of their kind, of genuine boxwood, nicely finished.

On all close work machine divided steel shrinkage rules, such as our No. 83 line, page 106, should be used, as they carry fine graduations and can be depended upon for a high degree of accuracy.

(On the rules below shrinkage allowance is included in all measurements throughout. They are full 2 feet long in shrinkage measurement, i. e., extreme length of No. 8201 is 24-1/8 inches, No. 8202, 24-2/12 inches, etc.)

Marked Both Sides, Both Edges; One Side 8ths, Other Side 16ths. Dimensions: 11/2 x1/8 inch.

No.	Shrin	kage	Per Doz.
8201	1/16 inch	er foot	\$19.80
8202	1/12 inch	er foot	19.80
8203	1/10 inch 1	er foot	19.80
8204	3/32 inch	er foot	19.80
8205	1/8 inch 1	er foot	19.80
8206	3/16 inch	er foot	19.80
8207		er foot	
8208	5/16 inch	er foot	19.80
8209	3/8 inch	er foot	19.80
8251	1/2 inch	er foot	21,00
8252		er foot	
8253		er foot	22.20
8254	and the second of the second o	er foot	
8255		er foot	

ROSE TOOLS, INC.

Weight Per Doz., 21/4 lbs.

Marked Both Sides, Both Edges: 8ths, 10ths, 12ths, 16ths. Dimensions: 1½x½ inch.

No.	o. Shrinkage				Per	Doz.		
8211	1/16	inch	per	foot.	 		 \$	19.80
8212	1/12	inch	per	foot.			3.5	19.80
8213	1/10	inch	per	foot.	 		 	19.80
8214	3/32	inch	per	foot.				19.80
8215	1/8	inch	per	foot.	 		 4.9	19.80
8216	3/16	inch	per	foot	 			19.80
8217	1/4	inch	per	foot.	 4 1 1	11	 	19.80
8218	5/16	inch	per	foot.	 		-0	19.80

Weight Per Doz., 21/4 lbs.

Marked Both Sides, Both Edges; One Side 8ths, Other Side 16ths. Dimensions: 11/4 x1/8 inch.

No.		Shrinkage		0				Per Doz
823	1/10	inch p	er	foot.	TOY.			\$17.40
825	1/8	inch p	er	foot.	4000		-	. 17.40
826	3/16	inch p	er	foot.		1 4 4	11.	. 17.40

Weight Per Doz., 2 lbs.

Packing: All packed 1/4 doz. in a box.

THE

UFKIN

RULE



Used in measuring between fixed points such as floor and ceiling, across large openings, etc. Made of maple, with sections 1 inch wide, 3/8 inch thick. Clamps and end plates are brass plated. The rules are fitted with tension spring and set screw, securely holding the sections when closed or extended to any distance. They have stop at both ends so sections cannot fall apart.

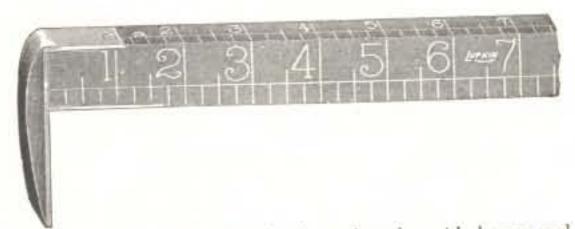
In Two Sections. With Set Screw. Marked Feet, Inches and 8ths Both Sides.

No.	Lengt		Length		Wt. Pe		Per Doz. \$18.00
7162	4 ft			ft.	61/2		21.00
7163	6 ft			ft.	81/2	lbs.	24.00
7164	8 ft	49		ft.	111	lbs.	30.00
7165	10 ft			ft.	14	lbs.	36.00
7166	12 ft	t.	6	ft.	161/2	ID3-	30.00

(While regularly marked as above, these can be furnished in consecutive inches, without additional charge.)

NOTE-For Folding Boxwood Rules with Extension Slide, see page 133

FREIGHT RULES



These are extra durable, long hard maple rules with heavy end hook. They are well suited for quickly measuring boxes, crates, etc., around warehouses and docks, and for other heavy and rough work in shipping departments, at factories, and elsewhere. Both the rule and hook are sturdy, the former being of polished maple 1x3/8 inch, the latter of heavy cast brass extending 2 inches from edge of rule and most securely attached. Handle end of rule is rounded and with hole for hanging up

Marked Feet, Inches and Quarters On Two Sides And Top Edge.

***	Length	Wt. Per Doz.	Per Doz.
No.		14 lbs.	\$42.00
7155	5 ft.		45.00
7156	6 ft.	16 lbs.	45.00

GAUGING RODS

Manda Manual Control of the Control

For determining capacity of standard type barrels (not drums). All of these rods are 7/16 inch square, of hardwood, nicely finished, and with zero end pointed and metal covered. In addition to gallon measurement, all are marked in 10ths of inches.

Directions For Determining Barrel Capacity.

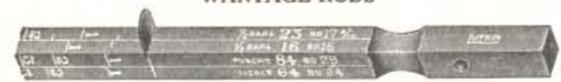
Insert Rod through the bung hole in the side of the barrel diag-onally over to the head or end. Do this in both directions, right and left. Read the Rod at the center of the bung for both insertions, and take the average of the two readings. Example: If one reading is 50, and the other 48 gallons, the average, 49 gallons, is the capacity, i. e., contents when full.

		IV	laple.	With Brass	Point	**	
No.	Cap	pacity		Length	Wt.	Per Doz.	Per Doz.
7181	120	gals.		3 ft.	2!	4 lbs.	\$15.00
7182	200	gals.		31/2 ft.	23	4 lbs.	24.00
7183	300	gals.		4 ft.	3	Ibs.	25.80
7184*	300	gals.		4 ft.	3	lbs.	36.00
*With	wantage	table	for 42	gallon barrel	of 22	inch bung	diameter.

Boxwood.

With Steel Tipped Brass Point, Ivory Face, Brass Back. A Rod of extra high grade and fine finish. Wt. Per Doz. Per Doz. Capacity Length 3 ft. \$115.20 120 gals. 33/4 lbs. 7284 With wantage table for 42 gallon barrel of 22 inch bung diameter.

WANTAGE RODS



For determining wantage or outage of standard type barrels. Overall length 18 inches. The 8-line rod is suitable for measuring wantage of barrels of 8 standard sizes, the 12-line will take care of 12 standard sizes.

ROSE TOOLS, INC.

Directions For Determining Wantage.

Barrel should lay level on its side. Insert the Rod slowly and straight into the barrel through the bung hole at its side until brass angle of the rod rests under and against the staves. Using the column of figures that represents the capacity and bung diameter of the barrel, read the line of the liquid. If, for example, Rod is wet as far as 10, it shows a shortage of 10 callons.

No.	as (V. 1	it shows a sur	Dimensions	Wt. Per Doz.	Per Doz
7187		Maple.	1/2 inch square.	2 lbs.	\$24.00
7188	12 lines.	Maple.	3/8 inch square.	21/4 lbs.	36.00

NOTE-Gauging and Wantage Rods can be furnished in Imperial gallon measurements.

SHOEMAKERS SIZE STICKS

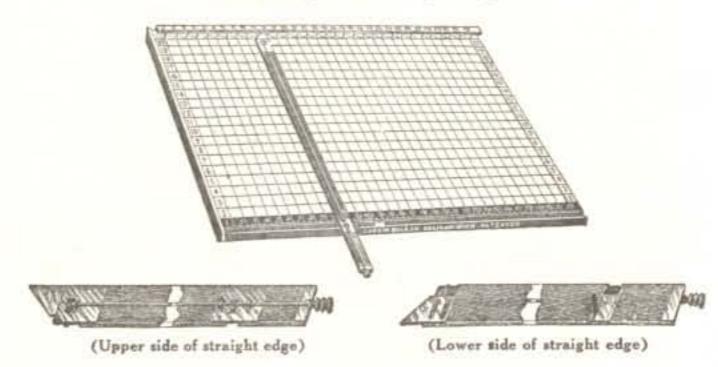


Used in shoe stores, etc., for determining shoe sizes. These sticks carry on the inside face the standard scale of shoe sizes and half sizes; on the back 12 inches in 8ths. They have one stationary and one sliding jaw. The maple sticks are 3/4x5/16x151/2 inches. No. 8221 is 15/16x5/16x16 inches.

No.			Wt. Pe	r Doz.	Per Doz.
8120	Maple, with steel trimmings,		2	lbs.	\$ 8.40
8121	Maple, with brass trimmings.		2	lbs.	10.20
8221	Boxwood, with brass trimmings.		33/4	lbs.	19.20
8223	Boxwood, folding, for pocket use.	Brass trimmings.	21/4	lbs.	31.20

THE UFKIN RULE CO.

"PERFECTION" GLASS BOARDS With Adjustable Straight Edge



AN INDISPENSABLE ARTICLE TO ALL DEALERS IN WINDOW GLASS. WILL SAVE ITS COST IN A SHORT TIME.

The "Perfection" Glass Board is the modern device for cutting glass accurately and uniformly to size, in inches or fractions of inches.

The Board is made of narrow strips of well seasoned lumber, dovetail cleated. It is ruled in inches both ways, and well finished. By means of guide at the left edge and the upper edge the glass is quickly brought into position. The front edge has an embedded steel rule distinctly marked in inches and 8ths, by which the straight edge is set. The other three edges of the board are numbered in inches.

The Straight Edge is a unique and improved device, very simple and positive in operation. By turning knob at front end it is moved backward or forward to any inch or part of an inch on the steel rule; and turning the set screw on top locks it firmly at any location. When more than one light of glass of the same size is to be cut, the screw once set, every light will be exactly same size.

"PERFECTION" GLASS BOARDS

Size of Board	Wt. Each, Packed	Price, Each
24 x 36 inches	36 lbs.	\$18.75
30 x 48 inches	58 Ibs.	24.75
36 x 54 inches	72 lbs.	29.25
42 x 60 inches	100 lbs.	33.75
48 x 72 inches	136 Iba.	44.25

Straight Edges Only. For "Perfection" Glass Boards.

The Straight Edge, being the part of a Glass Board that receives most wear, we list below extra Straight Edges Only, which fit our standard size boards. These are Straight Edges complete with fittings.

For Board	size 24	x	36	Price,	Each	\$5,40	
			48				
			54				
			60				
			72				

GLASS CUTTERS RULES With Brass Flange Or Lip

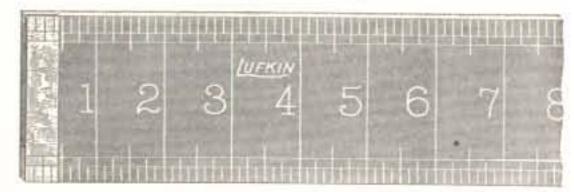


Glass Cutters Rules are put to severe use. Ours are of hard maple, of ample dimensions. They are fitted at one end with heavy cast brass lip securely attached by riveting through brass side plates, other end brass tip-ped. Lip extends 9/16 inch from flat face of rule. On upper face of rule zero point is at inside of lip and figures are placed perpendicularly. These rules are very well finished.

Marked Both Sides, Both Edges, Consecutive Inches To 8ths.

No.	Length	Dimensions	Wt. Each	Price, Each
7141	36 inch	2" x 1/4 inch	55 lbs.	\$ 3.40
7142	48 inch	2" x 1 inch	% 1bs.	
7143	60 inch	2" x 1/4 inch	1 14 Ibs.	4.80
7144	72 inch	2" x % inch	1 % lbs.	5,80
7145	84 inch	2" x % inch	2 lbs.	7.00
7146	96 inch	2" x % inch	2 14 lbs.	8.50
7147	108 inch	2" x % inch	3 Ibs.	10.30
7148	120 inch	2" x % inch	3 % 1bs.	12.40
7149	144 inch	2" x % inch	5 1/2 lbs.	17.00

GLAZIERS RULES Flat, Without Lip



Well finished, hard maple rules, with both ends brass tipped.

Marked Both Sides.

One Side, Both Edges, Consecutive Inches To 8ths.

One Side, Lower Edge Consecutive Inches To 8ths, Upper Edge Feet And Quarters.

No.	Length	Di-	1914	
7136	36 inch	Dimensions	Wt. Each	Price, Each
7137		11/2 x 1/4 inch	1/2 lbs.	\$1.00
1	48 inch	13/4 x 1/4 inch	1/4 lbs.	1.40
7138	60 inch	134 x 1/4 inch	3/4 lbs.	2.00
7139	72 inch	1 1/4 x 1/4 inch	1 lbe.	2.80
7140	84 inch	2 x 1/4 inch	1 lbs.	4.00

ROSE TOOLS, INC

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THE

UFKIN

RULE

GLASS CUTTERS L AND T SQUARES

These are well made polished hardwood squares designed for glass cutting and similar work.

In Addition To Length Always Specify Whether L Or T Square Is Wanted.

L SQUARES

Blade of hard maple, 3 inches wide, 1/4 inch thick and marked outer edge of both sides inches to 8ths. Blade is mortised through and securely riveted into the stock.

The stock is of hard maple, 2½ inches wide, 9/16 inch thick, brass bound on inner face, and has shoulder on both sides of blade so square can be used on either side. Square has substantial corner brace with brass side plates.

Lengths given below are graduated length of the blade. Stock of the 24inch square is 21 inches long, of the 36 and 48-inch, 24 inches, of the 60inch, 27 inches long, inside the blade.

24 inch L Square 2 lbs. \$14.40 36 inch L Square 2½ lbs. 21.60 48 inch L Square 2½ lbs. 21.60 60 inch L Square 3 lbs. 27.00 T SQUARES Blade of hard maple 1¾ inch wide, 3/16 inch thick, and marked both edges of both sides inches to 8ths. Blade is mortised through and securely riveted into the stock. Other end of blade brass capped. Stock of genuine boxwood 10 inches long, 1¾ inch wide, ½ inch thick. It has shoulder on each side of blade so square is suitable for use on either side. Stock also is notched, giving clearance for glass cutting wheel. Length Wt. Price, Each Each 36 inch T Square ¾ lbs. \$ 9.00 48 inch T Square ¾ lbs. \$ 9.00 11. 12. 13. 14. 15. 16. 18. 18. 18. 19. 19. 10. 10. 10. 10. 10. 10	men, 27 mene	Length	Wt. Each	Price, Each	
48 inch L Square 2½ lbs. 21.60 60 inch L Square 3 lbs. 27.00 T SQUARES Blade of hard maple 1¾ inch wide, 3/16 inch thick, and marked both edges of both sides inches to 8ths. Blade is mortised through and securely riveted into the stock. Other end of blade brass capped. Stock of genuine boxwood 10 inches long, 1¾ inch wide, ½ inch thick. It has shoulder on each side of blade so square is suitable for use on either side. Stock also is notched, giving clearance for glass cutting wheel. Length Wt. Price, Each Each 36 inch T Square ¾ lbs. \$ 9.00 48 inch T Square ¾ lbs. \$ 9.00 9 10 10 10 10 10 10 10 10 10 10 10 10 10	1.1		2 lbs.	\$14.40	La
T SQUARES Blade of hard maple 1 3/4 inch wide, 3/16 inch thick, and marked both edges of both sides inches to 8ths. Blade is mortised through and securely riveted into the stock. Other end of blade brass capped. Stock of genuine boxwood 10 inches long, 1 3/4 inch wide, 1/2 inch thick. It has shoulder on each side of blade so square is suitable for use on either side. Stock also is notched, giving clearance for glass cutting wheel. Length Wt. Price, Each Each 36 inch T Square 3/4 lbs. \$ 9.00 48 inch T Square 3/4 lbs. \$ 9.00 10 10 10 10 10 10 10 10 10 10 10 10 10 1	11		21/4 lbs.		185
T SQUARES Blade of hard maple 1 3/4 inch wide, 3/16 inch thick, and marked both edges of both sides inches to 8ths. Blade is mortised through and securely riveted into the stock. Other end of blade brass capped. Stock of genuine boxwood 10 inches long, 1 3/4 inch wide, 1/2 inch thick. It has shoulder on each side of blade so square is suitable for use on either side. Stock also is notched, giving clearance for glass cutting wheel. Length Wt. Price, Each Each 36 inch T Square 3/4 lbs. \$ 9.00 48 inch T Square 3/4 lbs. \$ 9.00 11 10 10 10 10 10 10 10 10 10 10 10 10 1	11-11				
T SQUARES Blade of hard maple 13/4 inch wide, 3/16 inch thick, and marked both edges of both sides inches to 8ths. Blade is mortised through and securely riveted into the stock. Other end of blade brass capped. Stock of genuine boxwood 10 inches long, 13/4 inch wide, 1/2 inch thick. It has shoulder on each side of blade so square is suitable for use on either side. Stock also is notched, giving clearance for glass cutting wheel. Length Wt. Price, Each Each 36 inch T Square 3/4 lbs. \$ 9.00 48 inch T Square 3/4 lbs. \$ 9.00 10 10 10 10 10 10 10 10 10 10 10 10	8.1	60 inch L Square) ID8.	27.00	
Lengths given below are length of blade under the stock. Length Wt. Price, Each Each So inch T Square 48 inch T Square 34 lbs. \$ 9.00 10 10 10 10 10 10 10 10 10 10 10 10 1	13 13 15 10 10 10 10 10 10 10 10 10 10 10 10 10	Blade of hard maple thick, and marked bot to 8ths. Blade is more riveted into the stock. capped. Stock of genuine be inch wide, ½ inch this side of blade so square side. Stock also is n	e 134 inch who edges of bootstised through Other end oxwood 10 inches is suitable for	of blade brass ches long, 13/4 oulder on each	32 31 30 29 38 37 38 35 25 24 19
36 inch T Square 3/4 lbs. \$ 9.00 12.00 48 inch T Square 3/4 lbs. 12.00	0	Lengths given below the stock.			16 15 1
		36 inch T Square	Each Ea 3/4 lbs. \$ 9.	ch 00	12 11 10
	-50- -61- -60- -60-			NOTE OF THE PARTY	1
			//		9 1
					- A 1

NOTE—Above lengths of L and T Squares are the popular ones, and the only ones we regularly stock. The demand for other lengths is very limited, and as they are made to order, their cost is considerably higher.

For Glass Cutting Boards, see page 142.

YARD STICKS

Polished Hardwood

Our Yard Sticks are of the better grades, of hardwood, in the natural finish. The lines and figures, in black, show up distinctly. The sticks are well surfaced, finished and polished. We do not manufacture the very common soft wood and stained sticks.



Marked Both Sides.

One side lower edge inches to 8ths; other side fractions of yards.

No.		Dimensions	Enda	Wt. Per Doz.	
7424	Maple. Maple. Hickory. Hickory.	1 x1/4 inch. 1 x1/4 inch. 1/4 x3/16 inch.	Plain. Brass capped. Brass capped.	23/4 lbs. 23/4 lbs. 33/4 lbs.	\$4.20 6.00 9.00
	Rounded	l edges, flexible.	The state of the s	21/2 lbs.	8.40



Marked Both Sides,

ROSE TOOLS, INC

Lower edge inches to 8ths, upper edge fractions of yards.

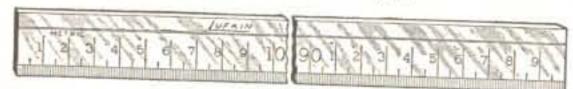
			ATTEMPT OF THE PROPERTY OF THE PARTY OF THE	mestonia or yards.	
No.		Dimensions	Ends	We B. D.	400
7115	Maple.	11/4x3/16 inch.		Wt. Per Doz.	Per Doz.
7116	Maple.	11/2-3/16 inch	P	23/4 lbs.	\$6.00
7129	Maple.	11/4x3/16 inch.	Brass capped.	23/4 lbs.	7.80
		11/4x5/16 inch.	Brass capped.	41/2 Ibe.	9.60
7429	Hickory.	11/4x5/16 inch.	Brass capped.	51/2 Iba.	13.80

NOTE—For Flat Wood or Bench Rules 24 to 72 inches long, see page 138.

See also Tailors Measuring Sticks, page 146.

METRE STICKS

Marked Metric And English



We make only the better grade of Metre Sticks, of polished hard maple.

I metre (39.37 inch) long, 25 millimetres (1 inch) wide, 8 millimetres

(5/16 inch) thick.

Marked One Edge Of Both Sides.

One Side, Lower Edge Only, In Centimetres And Millimetres;

Other Side, Upper Edge Only, Inches To 8ths.

No.	Length	and the second s	Wt. Per Doz.	p p
7111ME	metre.	Plain Ends.		Per Doz.
7112ME	1 metre.		3 lbs.	\$6.00
	i mone.	Brass tipped ends.	3 Iba.	7.80

UFKIN

RULE

BEVELED YARD STICKS. BEVELED YARD AND QUARTER STICKS. Polished Hardwood



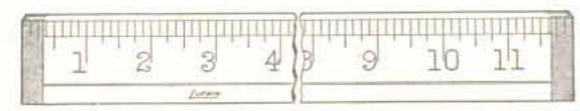
These are popular in the tailoring and dressmaking trades, and other places in laying out and cutting work. They are double beveled on one side so lay close to the work. They are of hardwood in the natural finish. The stamped lines and figures filled in black are permanent and easily read. The sticks are smooth and well finished.

All Sticks Below Are Marked One Side, on both bevels in inches to 8ths, down the center in fractions of yards.

Beveled Yard Sticks

No. 7124 7125	36 inch. 36 inch.		Dimensions 1½x5/16 inch. 1½x5/16 inch.		Wt. Per Doz. 4 lbs. 4 lbs.	\$7.20 10.80
		1	Beveled Yard a	nd Quarter Sti	cks	
7126 7127	45 inch. 45 inch.	Maple.	11/2x5/16 inch.	Brass tipped.	5 lbs. 5 lbs.	\$7.80 12.00
7128	45 inch.		lointed, two-piec		63/4 Ibn.	48.00

TAILORS MEASURING STICKS



While low in price, these are polished hard maple rules, plainly marked. They are especially popular in the tailoring and dressmaking trades, schools, etc. All are 11/4 inch wide, 3/16 inch thick.

Marked Inches And 8ths Upper Edge Of Both Sides.

No. 7031 7031 7031 7031	Length 12 inch 18 inch 24 inch 36 inch	Plain Ends. Plain Ends. Plain Ends. Plain Ends.	Wt. Per Doz. 1 lbs. 1½ lbs. 2 lbs. 3 lbs.	Per. Doz. \$3.00 3.60 4.20 5.40
7030 7030 7030	12 inch 18 inch 24 inch	Brass Capped Ends. Brass Capped Ends. Brass Capped Ends.	1 lbs. 11/2 lbs. 2 lbs.	4.20 4.80 5.40
	NOT	E-See also Yard Sticks, pa	age 145.	

CURVE STICKS

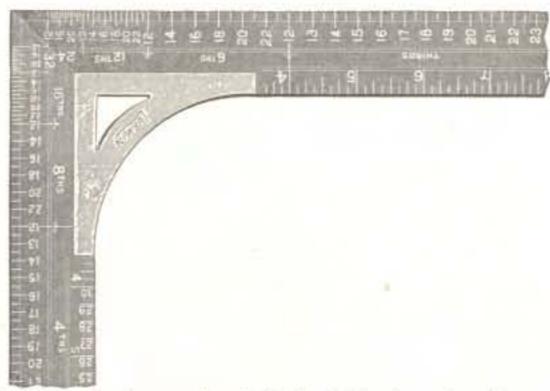


Used in tailoring work. Of well finished hard maple. Length, 24 inches. Thickness, 1/8 inch.

Marked Both Sides Inches To 8ths.

Wt. Per Doz. Per Doz. Plain Ends. 8151 Brass Capped Ends. 11/4 lbs. 7.20

TAILORS AND DRESSMAKERS SQUARES



Made of genuine boxwood and of selected hard maple. These squares are of the weight preferred by the tailoring trade, yet constructed so as to be serviceable. All have brass corner plate and corner brace. All carry on one side tailors measurements (regular or reverse as described below); other side inches and 8ths. They are marked by the best methods to insure permanence and legibility. They are well surfaced and finely finished.

Regular Graduation:

Short arm in 32nds, 16ths, 8ths, quarters and halves. Long arm in 24ths, 12ths, 6ths, thirds and two-thirds.

Reverse Graduation:

8238 Jointed Square.

ROSE TOOLS, INC

Short arm in 24ths, 12ths, 6ths, thirds and two-thirds. Long arm in 32nds, 16ths, 8ths, quarters and halves.

No.	Size		Graduation	Ends	Wt. P	er Doz.	Per Doz.	
8130 8132 8134 8135	14x24 inch. 14x24 inch. 14x24 inch. 14x24 inch.	Maple. Maple. Maple. Maple.	Regular Regular Reverse Reverse	Plain. Brass capped. Plain. Brass capped.	2 2 2 2	Ibs. Ibs. Ibs.	\$21.60 24.00 24.00 26.40	
8231 8232 8233 8235	12x24 inch. 14x24 inch. 12x24 inch. 14x24 inch.	Boxwood. Boxwood. Boxwood.	Regular Regular Reverse Reverse	Brass capped. Brass capped. Brass capped. Brass capped.	21/2 21/2 21/2 21/2	Ibs.	25.20 26.40 27.60 28.80	
8236	All gr	Boxwood.	Regular. educed to half of square 12x		1	lb.	\$26.40	
8237	All gr	Boxwood, aduations r	Regular. educed to qua of square 16x		1/2	16	\$26.40	

extra weight throughout.

14x24 inch. Boxwood. Regular. Brass capped. 51/2 lbs. . . . Corner full brass both sides and has substantial, well fitted snap

joint. Most easily set up and taken down. This square is of

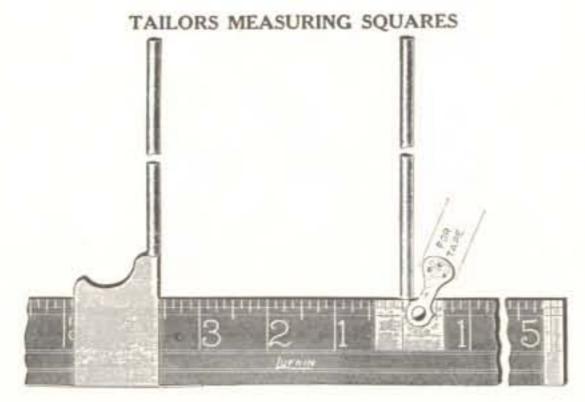
51/2 lbs. . . . \$54.00

THE

UFKIN

RULE





Measuring Squares With 9-Inch Stationary And Sliding Brass Arms, With 24-Inch Bar Marked Inches And 8ths Both Sides.

Sliding arm has tension spring. Squares have tape attachment. Per Doz. Wt. Per Doz. Size Ends 5 Ibs. \$66.00 Maple. Brass capped. 8140 9x24 inch. 68.40 Brass capped. 5 lbs. 8240 9x24 inch. Boxwood.

Measuring Square With 7-Inch Stationary And Sliding Boxwood Arms, 14-Inch Boxwood Bar With 14-Inch Flexible Brass Strip On Reverse Side.

Bar and arms marked one side inches and 8ths, brass strip in inches and quarters. Sliding arm has tension spring; square has tape

8241 7x14 inch. Boxwood. Plain ends, rounded. Per Doz......\$54.00 Regularly made in right shoulder pattern. Sometimes known as the Mitchell square. Weight per doz., 31/4 lbs.

Measuring Squares

A standard type Tailors Square same as No. 8130, but marked both sides inches and 8ths only. This item is popular in instruction work, as at schools, etc., and wherever a simple measuring square is needed in the tailoring and dressmaking trades. Weight per doz.

8246 Arm Square. 6x10 inch. Boxwood. Plain ends. Per Doz.\$14.40 Marked inches and 16ths both sides. With tape attachment. Weight Per Doz., 3/4 lbs.

METRIC TAILORS SQUARES All With One Edge Beveled

These are standard Metric Measuring Squares. They are substantially built of genuine boxwood and selected hard maple. All have brass corner plate and corner brace. All are marked on the bevel and on one edge of the opposite side. These squares are marked by the best methods to insure permanence and legibility, are smooth and well finished.

Marked One Edge Of Both Sides in Millimetres.

		manthem one wage	Or worth broken in this	ASS THE R. STORY	
No.	Size	19490	Ends	Wt. Per Doz.	Per Doz.
8147MM	35x60 cm	. Maple.	Plain.	3 lbs.	\$25.20
8148MM	35x60 cm	Maple.	Brass capped.	3 lbs.	27.60
8248MM	35x60 cm	Boxwood.	Brass capped.	31/2 lbs.	34.80

Marked One Edge Of Both Sides. One side (on bevel) millimetres, other side inches and 8ths.								
8147ME	35x60 er		Maple.	Plain.		3	lbs.	\$25.20
8148ME	35x60 cr	m.	Maple.	Brass	capped.		Ibs.	27.60
5248ME	35x60 cr	m.	Boxwood.	Brass	capped.	31/2	lbs.	34.80

NOTE-For Tailors Tapes, see page 57.

Section Seven LUMBER RULES

ET CETERA

UMBER RULES, classified as Board and Log Rules, were our original line of manufacture and we are the largest makers of rules of this kind. Lufkin Lumber Rules are familiarly and favorably known wherever logs or lumber are handled.

The highest grade of hickory, though scarce as compared with the earlier days, is obtained for our rules by inspectors in the field, who have been with us for years and have made a study of our peculiar requirements.

ROSE TOOLS, INC.

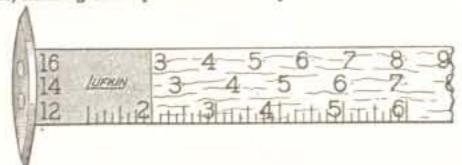
As Narrow Pattern Board Rules became more popular we added to our line the N and XN Rules, I inch and 1/8 inch wide respectively. However, from the standpoint of durability, we recommend the use of Board Rules not less than I inch wide and preferably the old standard width, 11/8 inch. As lumber became more valuable there developed a demand for Board Rules with Half-Foot Marks, which accordingly were added to our line. Still more recently we brought out the Folding Spring Joint Board Rule and the Folding Spring Joint Log Rule, which are conveniently carried in the pocket and are suitable for certain classes of work. We have endeavored always to meet the new demands brought about by changing conditions in the lumber industry.

Details as to the different markings on both Board and Log Rules, the various log scales, etc., are given on the following pages.

This Section of Catalog covers also Combination Board and Log Rules, Steel Board Rules, Log Calipers, Biltmore Sticks, Dip Rods, Marking Sticks, Lumber Gages, Boot Calks and Calk Sets.

HICKORY BOARD RULES

All of selected second growth white hickory, tough and flexible. The heads are most substantially made and securely attached. They consist of tempered steel cap riveted and brazed to brass shoulders (except No. 4). All have nicely formed 6-inch wedge handle and are well finished. The markings are burnt, making them prominent and permanent.



Burnt Figures. Oval Head.

MARKINGS

8/18 rules measure one side 12, 14, 16; other side 8, 10, 18 foot lengths. 12/22 rules measure one side 12, 14, 16; other side 18, 20, 22 foot lengths.

All Rules On This Page Are Marked 8/18 or 12/22.

8/18 Rules Are Supplied Unless 12/22 Is Specified.

STANDARD WIDTH RULES

No.		Per Doz.
1	3-tier. Width, 1% inch. Full length, 3% ft. Figured 36 inches. Furnished marked 8/18 unless 12/22 is specified. Heavy brazed head (steel cap and 2-inch brass shoulders) Weight per doz., he lbs. Sometimes known as the inspectors rule.	\$33.60
2	3-tier. Width, 1% inch. Full length, 3 ft. Figured 30 inches. Furnished marked 8/18 unless 12/22 is specified. Heavy brazed head (steel cap and 2-inch brass shoulders). Weight per doz., 6 lbs. Most popular of all Board Rules for general work.	\$31.20
21/4	3-tier. Width, 1% inch. Full length, 2% ft. Figured 24 inches. Furnished marked 8/18 unless 12/22 is specified. Heavy brazed head (steel cap and 2-inch brass shoulders) Weight per doz., 6 lbs. Known as the sorting rule.	\$30.00
3	3-tier. Width, 1 1/8 inch. Full length, 3 ft. Figured 30 inches. Furnished marked 8/18 unless 12/22 is specified. Heavy brazed head (steel cap and 11/2-inch brass shoulders). Weight per doz., 6 lbs.	\$28.80
	NARROW RULES	
1N	3-tier. Width, 1 inch. Full length, 3½ ft. Figured 36 inches. Furnished marked 8/18 unless 12/22 is specified. Heavy brazed head (steel cap and 2-inch brass shoulders). Weight per doz., 6½ lbs.	\$33.60
1XN	3-tier. Width, 36 inch. Full length, 3 1/2 ft. Figured 36 inches. Furnished marked 8/18 unless 12/22 is specified. Heavy brazed head (steel cap and 2-inch brass shoulders). Weight per doz., 6 lbs.	\$33.60
2N	3-tier. Width, 1 inch. Full length, 3 ft. Figured 30 inches. Furnished marked 8/18 unless 12/22 is specified. Heavy brazed head (steel cap and 2-inch brass shoulders). Weight per doz., 51/4 lbs.	\$31.20
		100 A to P 10 to 10

2XN 3-tier. Width, % inch. Full length, 3 ft. Figured 30 inches. Furnished marked 8/18 unless 12/22 is specified.

Weight per doz., 5 lbs.

charge is made.

Heavy brazed head (steel cap and 2-inch brass shoulders).

NOTE-For these rules with markings other than as listed above an extra

HICKORY BOARD RULES

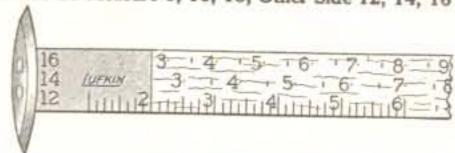
With Half-Foot Marks.

Burnt Figures. Oval Head.

Hardwood Manufacturers Association Rules. National Hardwood Lumber Association Rules.

These Rules are same as our others, except having half-foot marks, the half feet indicated by vertical dashes, the feet by dots. They are coming more and more into use, particularly in measuring hardwoods, and have been adopted as standard by the Associations mentioned above. All have 6-inch wedge handle,

All Rules Below Except No. 08 Are Marked 8/18, i. e., One Side To Measure 8, 10, 18, Other Side 12, 14, 16 Feet.

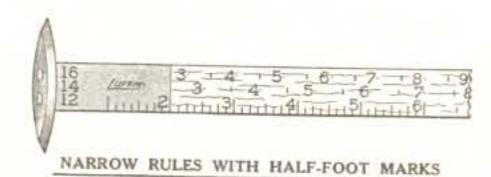


STANDARD WIDTH RULES WITH HALF-FOOT MARKS

No.		Per Doz.
01	3-tier. Width, 1 % inch. Full length, 3 ½ ft. Figured 36 inches. Heavy brazed head (steel cap and 2-inch brass shoulders). Marked 8/18. Weight per-doz., 7½ lbs.	\$36.00
02	3-tier. Width, 136 inch. Full length, 3 ft. Figured 30 inches. Heavy brazed head (steel cap and 2-inch brass shoulders). Marked 8/18. Weight per doz., 6 lbs.	\$33.60
03	3-tier. Width, 13s inch. Full length, 3 ft. Figured 30 inches. Heavy brazed head (steel cap and 1½-inch brass shoulders). Marked 8/18. Weight per doz., 6 lbs.	\$31.20
08	4-tier, Width, 1 % in. Full length, 3 ft. Figured 30 in. Heavy brazed head (steel cap and 1 ½ inch brass shoulders). Marked, one side 9, 11, 13, 15; other side, 12, 10, 14, 16 ft. Weight per doz., 6¼ lbs.	\$33.60

ROSE TOOLS, INC

\$31.20



01N	3-tier. Width, 1 inch. Full length, 3 1/2 ft. Figured 36 inches. Heavy brazed head (steel cap and 2-inch brass shoulders). Marked 8/18. Weight per dec. 61/2 lb.	\$36.00
	Marked 8/18. Weight per doz. 61/2 lbs.	

02N	3-tier. Width, 1 inch. Full length, 3 ft. Figured 30 inches. Heavy brazed head (steel cap and 2-inch brass shoulders). Marked 8/18. Weight per doz., 51/4 lbs.	\$33.60
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02XN	3-tier. Width, 7\u00e1 inch. Full length, 3 ft. Figured 30 inches. Heavy brazed head (steel cap and 2-inch brass shoulders). Marked 8/18. Weight per doz., 5 lbs.	\$33.6
	Marked 8/18. Weight per doz., 5. lbs.	

NOTE—For general description of Board Rules, see top of page 150.

For these Rules with markings other than as listed above an extra charge is made.

THE [UFKIN RULE CO.

HICKORY BOARD RULES

Burnt Figures. Oval Head.

EXPLANATION OF MARKINGS

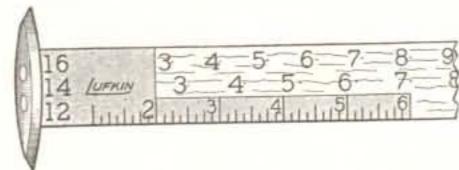
8/18 Rules are marked one side to measure 12, 14, 16; other side 8, 10, 18 ft.

12/22 Rules are marked one side to measure 12, 14, 16; other side 18, 20, 22 ft.

8/22 Rules are marked one side to measure 12, 14, 16, 18; other side 8, 10, 20, 22 ft. 9/16 Rules are marked one side to measure 9, 11, 13, 15; other side 12, 10, 14, 16 ft.

7/16 Rules are marked one side to measure 7, 8, 9, 10, 11; other side 12, 13, 14, 15,

On Nos. 6 and 4, 8/18 marking is supplied unless 12/22 is specified. On No. 8, 9/16 marking is supplied unless 8/22 is specified.



Per Doz.

\$33.60

\$31.20

ROSE TOOLS, INC.

No. 3-tier, Width, 11/4 inch. Full length, 3 ft. Figured 30 inches. Marked 8/18 or 12/22, see explanation at top of page. With 6-inch brass plate in 8ths, as illustrated. Heavy brazed head (steel cap and 2-inch brass shoulders). Weight per doz., 63/4 lbs.

Board Rule, With Socket Steel Square Head Only. 3-tier. Width, 11/4 inch. Full length, 3 ft. Figured 30 inches. \$26:40 Marked 8/18 or 12/22, see explanation at top of page. Weight per doz., 6 lbs. A low-priced, yet serviceable Rule.

4-tier. Width, 11/4 inch. Full length, 3 ft. Figured 30 inches. 8 Marked 9/16 or 8/22, see explanation at top of page. Heavy brazed head (steel cap and 11/2-inch brass shoulders). Weight per doz., 61/4 lbs. This rule can be furnished in 9/16 marking. left-hand, without extra charge.

5-tier. Width, 11/2 inch. Full length, 3 ft. Figured 30 inches. \$37.80 Marked 7/16, see explanation at top of page. Heavy brazed head (steel cap and 11/2-inch brass shoulders). Weight per doz., 71/2 lbs.

Export Rule. Marked both sides in inches and half-inches only. 1-tier. Width, 1 inch. Full length, 3 ft. Figured 30 inches. \$31.20 Heavy brazed head (steel cap and 2-inch brass shoulders). Weight per doz., 51/4 lbs.

> NOTE-For general description of Board Rules, see top of page 150. For these rules with markings other than as listed above an extra charge is made.

SPRING STEEL BOARD RULES

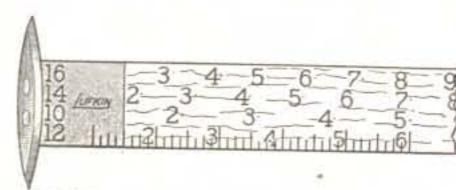
Dull Nickel Plated Finish.



Extra durable yet of medium weight. Being made of best quality spring tempered steel, these rules readily bend to the board, yet return straight and hold their shape well. All regularly have oval head, exactly same as our Hickory Board Rules. Lines and figures are sunken and black and are easily read against the dull nickel plated finish of the rule, which finish also resists rust. All have 6-inch round wood handle and leather slide for handling the blade.

No. 51	3-tier. Width, 1 inch. Full length, 3½ ft. Figured 36 inches. Made in 8/18 and 12/22 marking; regularly furnished in 8/18.	Per Doz. \$96.00
52	3-tier. Width, 1 inch. Full length, 3 ft. Figured 30 inches. Made in 8/18 and 12/22 marking; regularly furnished in 8/18.	\$84.00
58	4-tier. Width, 1 1/4 inch. Full length, 3 ft. Figured 30 inches. Made in 9/16 and 8/22 marking; regularly furnished in 9/16	\$90.00

Weights per doz.: Nos. 51 and 52, 15 lbs.; No. 58, 18 lbs. NOTE-Steel Board Rules are furnished only in the above markings.



COMBINATION BOARD AND LOG RULES Burnt Figures. Oval Head.

These, while flexible hickory rules identical in pattern with Board Rules, carry both board and log measurements.

All are marked for 12, 10, 14 and 16 foot lengths on both sides; one side board measure, other side log scale. They are made with Doyle, Scribner, Doyle-Scribner or Decimal C Log Scale Markings, though regularly carried in stock in Doyle Scale and so supplied unless otherwise specified.

	4-tier. Width, 11/4 inch. Full length, 3 ft. Figured 30 inches. Heavy brazed head (steel cap and 11/2 inch brass shoulders).	Per Doz. \$35.40
1334	4-tier. Width, 11/4 inch. Full length, 31/2 ft. Figured 36 inches. Heavy brazed head (steel cap and 11/2-inch brass shoulders).	\$37.80

Weights per doz.: No. 13, 63/4 lbs.; No. 131/2, 71/2 lbs.

NOTE-Combination Board and Log Rules can be supplied in special markings.

SQUARE HEAD BOARD RULES

Must Be Specified If Wanted.

We stock and supply without extra charge any of our Board Rules, hickory or steel, and Combination Board and Log Rules, with square head. The square heads are of same construction as the oval, differing only in that the steel cap is of oblong shape (commonly known as square). The oval head is by far the more popular of the two and is, therefore, always furnished unless the square is specified. (The socket steel square head of No. 4 Board Rule is of different, cheaper, construction than those referred to above.)

THE UFKIN RULE CO.

HICKORY LOG RULES

Burnt Figures.

Used in determining the contents of logs in board measure. These rules are of selected second growth hickory, clear, tough stock. The heads are of good proportions, strong and securely attached. The handles are of the wedge type, nicely formed. The figures are large and markings and figures are burnt, making them permanent and most legible. The rules are well finished.

Log Rules are here catalogued in all the various patterns, in the scales and combination of lengths that have become standard through long use.

(For further details on Log Rules see page 159.)

Scales And Markings Of Rules On This And Opposite Page (except No. 14X.)

Regular Scales (carried in stock):

Doyle. Scribner. Doyle-Scribner. Decimal C.

(Rules made also in Scribner-Doyle, Decimal A and B scales, no extra charge.)

Regular Markings:

8/20....for scaling 8, 10, 12, 14, 16, 18 and 20 foot logs. 12/24....for scaling 12, 14, 16, 18, 20, 22 and 24 foot logs.

Always Specify Log Scale and Marking, as
Doyle 8/20. Doyle 12/24. Scribner 8/20. Scribner 12/24, Etc.

No. of Concession, Name of Street, or other Persons, Name of Street, or ot			16		6 25
THE MAN STREET	0.		= 14	1	4 22
SAE WAVE MINE			-1-2-		2 -19
	STATISTICS.	The second second	STATE OF STA	1	8

No. 14 Square Head Log Rule.

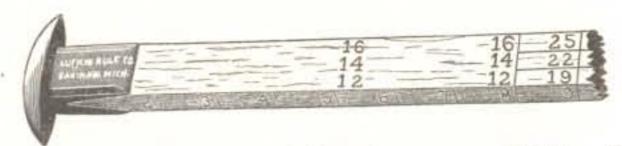
Figured 48 inches, 8-inch handle. Full length 4 ft. 8 in.

Specify scale and marking, see top of page. Weight doz., 10½ lbs.

No. 15 Square Head Log Rule.

Figured 36 inches, 6-inch handle. Full length 3½ ft.

Specify scale and marking, see top of page. Weight doz., 8 lbs.



No. 22 T-head Log Rule. (Wisconsin Pattern.) Per doz. \$33 60 Figured 48 inches, 8-inch handle. Full length 4 ft. 8 in. Specify scale and marking, see top of page. Weight doz., 101/2 lbs.

No. 22½ T-head Log Rule. (Wisconsin Pattern.) Per doz. \$28.80 Figured 36 inches, 6-inch handle. Full length 3½ ft. Specify scale and marking, see top of page. Weight doz., 8 lbs.

36 - 161-251
10
M# 3 14 22 1
MEETING
12 - 12 - 190
16
21 31 41 31 01

No. 19 Plain Head Log Rule (end brass capped). Per doz \$31.20 Figured 48 inches, 8-inch handle. Full length 4 ft. 8 in. Specify scale and marking, see top of page. Weight doz., 8 lbs.

No. 20 Plain Log Rule, No Head.

Figured 48 inches, 8-inch handle. Full length 4 ft. 8 in.

Specify scale and marking, see top of page. Weight doz., 7½ lbs.

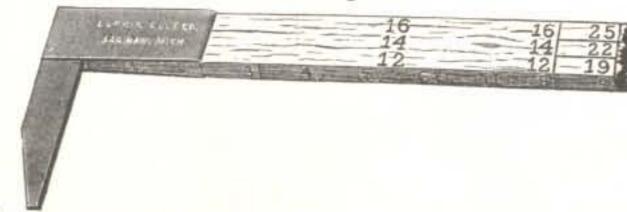
NOTE—For these rules in other log scales than mentioned above, or carrying other lengths than 8/20 or 12/24, an extra charge is made.

For Tree Tapes, see page 19.

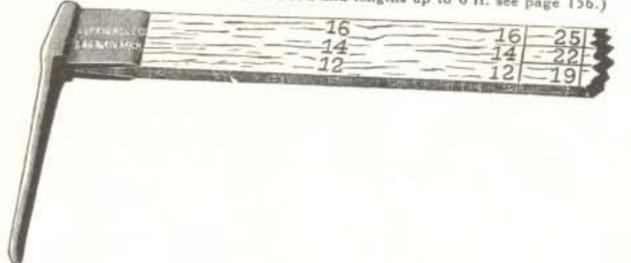
HICKORY LOG RULES

Burnt Figures.

For General Description Of These Rules, Their Scales And Markings, See Top Page 154.



o. 161/2 Flat Steel Hook Log Rule. Hook extends 31/2 inches. Per doz...\$35.40 Figured 48 inches, 8-inch handle. Full length 4 ft. 8 in. Specify scale and marking, see top page 154. Weight doz., 101/2 lbs. (For this rule with 12-inch hook and lengths up to 6 ft. see page 156.)



No. 16 Hook Log Rule.

Figured 48 inches, 8-inch handle. Full length 4 ft. 8 in.

Specify scale and marking, see top page 154. Weight doz., 10 lbs.

ROSE TOOLS, INC.



No. 21 Pick And Hook Head Log Rule.
Figured 48 inches, 8-inch handle. Full length 4 ft. 8 in.
Specify scale and marking, see top page 154. Weight doz., 10½ lbs.

	1 = 2	7	1 -1			
		12	MINNESOTA	6 -	- 7 - 8	3
	- May	14	STANDARD	14	24 24	30
and the same of	-	16		18	28 - 33	37

No. 14X Minnesota Standard Log Rule,
Figured 48 inches; no handle.
Square steel head. Handle end brass capped.
Minnesota Standard Scale.

Minnesota Standard Scale.

Marked one side for 12, 14, 16; other side for 18, 20, 22 ft. lengths.

One row inches each side. Weight doz., 9 lbs.

NOTE—For rules No. 16½, 16 and 21 in other than our regular log scales, or carrying other lengths than 8/20 or 12/24, extra charge is made.

United States Forest Service pattern head can also be supplied on our Log Rules. This is a flat steel, double or T hook, extending about ½ inch from each edge of rule. Price, same as No. 21 rule.

THE UFKIN RULE CO.

HICKORY LOG RULES

Burnt Figures.



FLAT LONG HOOK LOG RULES

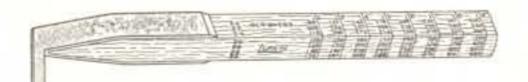
Always Specify Log Scale and Marking

These are same pattern as No. 161/2, page 155, but with steel hook 12 inches rather than 31/2 inches long, and rules having capacity for large diameters (48, 60 and 72 inches, respectively).

Regularly Carried In Stock In The Standard Scales And Markings, i. e., Doyle, Scribner, Doyle-Scribner and Decimal C Scales, and Marked For 8/20 or 12/24 Foot Lengths. Inches One Edge.

No.		Wt. Per Doz.	Per Doz.
1604	Log Rule. Figured 48 inches, 8-inch handle Full length 4 ft. 8 in. Specify scale and marking, see above.	12 lbs.	\$40.00
1605	Log Rule. Figured 60 inches, 8-inch handle Full length 5 ft. 8 in. Specify scale and marking, see above.	15 Ibs.	\$45.00
1606	Log Rule. Figured 72 inches, 8-inch handle	18 lbs.	\$51.00

NOTE-For above rules in other than our standard log scales, or carrying other lengths than 8/20 or 12/24, an extra charge is made.



PACIFIC COAST SQUARE LOG RULES For Large Timber

These rules were especially designed for scaling long timber of large diameter. They are one of the types widely used on the Pacific Coast of North America. The size and construction make them extra sturdy. Rules are 1/8 inch square, figured full length. Forged steel hook 12 inches long (known as Seattle Pattern).

Scale And Marking.

These rules are regularly made only in Scribner Scale, and marked to scale even length logs from 20 to 48 feet inclusive.

(One row of inches. Four tiers on each side.)

No. 1705 1706 1715 1716	5-ft. Log Rule With Seattle Hook 23 lbs. 6-ft. Log Rule With Seattle Hook 26 lbs. 12 lbs.	\$81.00 87.60 62.40 69.00	
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FLEXIBLE HICKORY LOG RULES



These are thin and flexible, like Board Rules, but carry regular log scale markings. Burnt figures. All are 11/4 inch wide and have board rule style 6-inch wedge handle.

Nos. 27 and 28 are without head, simply having brass cap over end,

extending one inch on each side of rule.

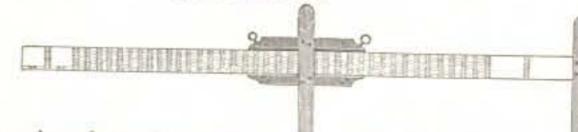
Nos. 29 and 30 regularly have oval head, of same type as Board Rules (steel cap and 11/2 inch brass shoulders). These can be furnished with square head at same price.

SCALES AND MARKINGS

Flexible Log Rules are carried in stock in the following scales: Doyle. Scribner. Doyle-Scribner. Decimal C. Flexible Log Rules are regularly marked one side inches and log scale for 12, 14, 16 ft.; other side 18, 20, 22 and 24 ft. lengths.

No.	Alwa	ays Specify Log Scale	Weight	
27 28 29	Rule With Oval Head. Rule With Oval Head. NOTE—Flexible Log Rules	Length 42 in., figured 36 in. Length 48 in., figured 42 in. Length 42 in., figured 36 in Length 48 in., figured 42 in. in other scales and log lengths in the potential of the scales and log lengths in the potential of the scales and log lengths in the scales are	6 lbs. 634 lbs. 71/2 lbs.	Per Doz. \$46.80 48.60 \$51.00 52.80

LOG CALIPERS



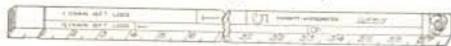
These are a log rule in caliper form. They will measure diameter and scale the board feet in standing trees, also logs where a measurement across the end cannot readily be taken. Made of hard maple. Beam has burnt figures. Jaws are brass capped. Sliding jaw has set screw and is brass lined. Log Calipers are made to order only.

ROSE TOOLS, INC

The price below covers the following, which we know as the standard type: Beam: Figured 48 inches. Jaws: 26 inches long. Log Scale: Any scale for which we have figures. Markings: Most commonly 12/24 feet and one row inches, though regular price applies for any 8 log lengths (Stiers)

Always Specify Log Scale And Log Lengths. No. 25 Log Caliper (standard type) Weight each, 31/4 lbs. Price, each NOTE—Calipers marked inches only, price same as above. \$30.00 Calipers with more than 8 tiers or with beam over 48 inches long, prices on application.

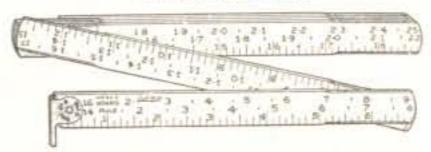
BILTMORE OR FOREST CRUISER STICK (Merritt Hypsometer)



Gives Height And Diameter Of Standing Trees.

This stick is used by the United States Forest Service, by forestry schools and others in reconnaissance estimates of timber tracts. In addition to diameter and height scales it bears Decimal C Log Scale values for 16-ft, logs and a tier of regular inch markings. Made of hard maple, 37 13/16 inches long. 1/2 inch thick, I inch wide, with one sloping face. Heavy cast brass ferrule at each end. Instructions for use accompany each stick.

SPRING JOINT BOARD RULE With Folding Hook.



Just the thing for the man who occasionally scales lumber; takes the place also of a pocket board scale card, and at the same time is just as handy as any rule for common lineal measuring. The folding end hook serves the purpose of board rule head and is handy for all measuring work. The rule is of hardwood, % inch wide, folds to 6 inch length, is light weight and convenient to carry in the pocket. Brass plated trimmings.

MARKINGS.

Regular board measure; one side for 8, 10 and 18 foot, other side for 12, 14 and 16 foot lengths. The 12 ft. tier, being regular inch measurement, is subdivided to 8ths of inches for general measuring purposes.

Three-Foot.

Yellow Enameled.

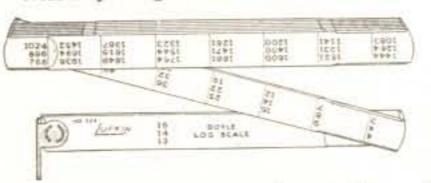
Concealed Joints.

No. 523 Spring Joint Board Rule \$5.40

Packing: 1/2 doz. in a box. Weight per doz., 114 lbs.

SPRING JOINT LOG RULE

With Doyle Log Scale And Folding Hook.



This rule is particularly adapted for use by traveling scalers or loggers having a limited amount of scaling to do, as it is light and compact, and when folded fits nicely in the pocket. While serving a purpose similar to that of the common hickory log rule, giving the same results in board feet, this is not a substitute for that article or of a style as well adapted to the usual run of log scaling. The folding end hook serves as log rule head and is handy in all measuring. The rule is of hardwood, % inch wide, folding to 6 inch length. Trimmings are brass plated.

MARKINGS.

Furnished In Doyle Log Scale Only. Will measure diameters up to 48 inches. Marked one side for 12, 14, 16 foot logs; other side for 10 and 18 foot logs, and, on lower edge, one row inches to 16ths for general measuring.

Four-Foot.

Yellow Enameled.

Concealed Joints.

Packing: 1/2 doz in a box.

Weight per doz., 2 lbs.

MISCELLANEOUS INFORMATION ON LOG RULES, LOG SCALES AND MARKINGS

8/20 Log Rules:

Carry on one side scale for 8, 10, 18 ft.; other side 12, 14, 16 ft.; one edge 20 ft.; other edge inch marking.

12/24 Log Rules:

Carry on one side scale for 12, 14, 16 ft.; other side 18, 20, 22 ft.; one edge 24 ft.; other edge inch marking. (Except Decimal C Rules, which have 18 ft. tier on edge.)

Dimensions:

Standard type flat log rules are approximately 1/4 inch thick, 11/8 inch wide.

Inches only on Log Rules:

We supply any of our log rules in inch marking only, at regular price of stock rules. Such rules are used to determine log diameters.

Odd and Unusual Log Lengths:

We are equipped to supply, at an extra charge, rules marked for certain log lengths other than the regular combinations catalogued.

Special Log Scales:

At an extra charge we supply Log Rules in special scales for which we are equipped. For such scales, of which there are many, there is but a limited demand. Among the more familiar are Favorite, Devant-Herring, British Columbia, Columbia River and Vermont Scales.

Decimal Log Scales:

The Decimal Scale is based on Scribner. It drops the units and takes the nearest tens, thus: Scribner gives a 12-inch log 16 feet long 79 feet; Decimal Scale makes it 80 feet and is expressed on the rule with the figure 8 only. There are in use three different computations of the Decimal Scale below 12 inches, i. e., Decimal A, B and C. The Decimal C Scale is the only one of the three widely used. It is the official standard of the United States Forest Service and the legal standard in the State of Wisconsin.

Comparison Of Log Scales:

A printed table giving values of a 16-foot log in twelve different log scales will be sent on application.

Tree Tapes:

ROSE TOOLS, INC.

For these, see page 19.

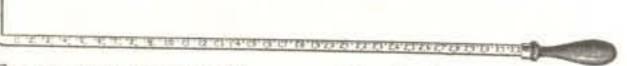
MARKING STICK FOR LUMBER CRAYONS



A convenient holder adapted to all regular lumber crayons, and made to hold them firmly. Crayon Holder is of brass, nickel plated; handle of wood,

Marking Stick (crayon holder with handle, 36 in. long) . . . 71/2 lbs. Weight Doz. Crayon Holder Only (without handle) 21/4 lbs. \$36.00

BRASS DIP ROD



For measuring diameter of logs, especially when logs are lying in water. Made of hard brass, 3/8x3/16 inch, well finished. Has 11/2 inch hook and wood handle. Plainly marked on the two sides 32 inches to half-inches. Overall length, 38 inches.

Weight per doz., 12 lbs. Price per doz.....\$54.00

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THE

UFKIN

RULE

LUMBER GAGES



For measuring thickness of lumber. Made of brass, nickel plated; a substantial article.

No.	For Measuring Thicknesses	Per Doz.	Per Doz.
000	3/6. 1/2. 3/6. 3/4. 7/6. 1. 11/4. 11/2. 13/4 and 2 inch. 5/8. 3/4. 1. 11/4. 11/2. 2 and 21/2 inch. Packing: One in a box.	18 ozs. 24 ozs.	\$7.20 8.40

BEADED BOOT CALKS



For log drivers. Forged from best crucible steel.

No.	Approximate	Weight	Price
	Length overall	per 1000	per 1000
000 00 0 1 2 3 Packing:	5/8 inch 3/4 inch 13/16 inch 15/16 inch 1 1/16 inch 1 3/16 inch All sizes except No. 3, No. 3 calks, 50 in a b	21/4 lbs. 23/4 lbs. 3 lbs. 33/4 lbs. 51/2 lbs. 6 lbs. 100 in a box, 100 ox, 500 in a carl	\$5.85 5.85 5.85 5.85 5.85 5.85 5.85

BOOT CALK SETS



Hexagon in shape and of high grade hardened steel. Length overall, 4 1/2 inches; diameter, 1/2 inch. Price

No.	For Nos.	Per doz.
1	1, 2 & 3 calks 0 calks	\$8.00
00	00 calks	8.00
000	000 & 000L calks	8.00
	Weight per doz., 3½ lbs Packing: ½ doz. in a bo	X.

CALK SET AND PUNCH COMBINED



The combined calk set and punch is round and of tempered steel, Price

Weight

		AA GIRTIE	73 1
No.	Length 4 inch	Per doz. 2 ½ lbs.	Per doz. \$8.40
3	Packing:	I doz. in a box.	

ROSE TOOLS, INC.



ADVERTISING SPECIALTIES

Aids To An Increased Business.

If Interested, Send For Advertising Specialty Catalog No. 7.

Quite apart from our regular stock goods, but of the same general patterns and same high quality, we offer a variety of Pocket Tapes, Steel and Wood Rules for advertising purposes, i. e., bearing advertising matter upon them and intended for use as direct publicity mediums.

Pocket Tapes and Rules are most effective articles for this purpose. Their greatest appeal lies in their general usefulness. Further than this, they are a neat, compact article that everyone is pleased to carry, are moderate in price, durable, and bear the advertising attractively. They keep the advertiser's name prominently before the recipient for years. On some of our items trade marks and designs can be reproduced.

In both Tapes and Rules we confine ourselves to the better grades, articles that are really serviceable. We do not turn out tapes with celluloid or similar cases, nor do we manufacture common advertising yard sticks and school rulers.

Above are shown but a few of the items in our line. If you are thinking of distributing a novelty to your trade, or could interest any of your customers in something of this kind, write for particulars.

Catalog No. 7 is a 32-page booklet devoted entirely to this branch of our business.

THE

UFKIN

RULE

THE
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CO.

ARTICLE	PAGE	ARTICLE	PAGE
Advertising Special Aluminum Rules	136	Engineers Patt. T Engineers Pattern	Frame
Aluminum Rules wi		Tapes	
Architects Pocket T	The second secon	Extension Rules	
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Artisan Tree Tape			
Ass Skin Tapes	The state of the s	Feeler Gages	93-93D
Atlas Oil Gaugers		Firm Joint Caliper	rs88, 89
	137.	Flat Wood Rules	
D 111 M . 1 Cl . 1	T 25	Flexible Log Rule	
Babbitt Metal Chai Banner Spring Calip	the state of the s	Folding Aluminum Folding Boxwood	
Banner Spring Divid		Folding Steel Rule	
Banner Steel Tapes		Frame Steel Tape	
Bevel, Ship Carpen		Freight Rules	
Biltmore Stick			
Blacksmiths Rules		C St. 1 T	00.00
Blindmans Rules		Gagers Steel Tap Gages—	es26-28
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Bobs, Plumb	100	Center	
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Boxwood Extension		Screw Pitch	
Boxwood Shrink R Brass Rules		Surface Thickness	93-930
Bronze Tapes		Gaging Rods	
		Glass Boards	142
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Calipers—	07	Glaziers Rules	
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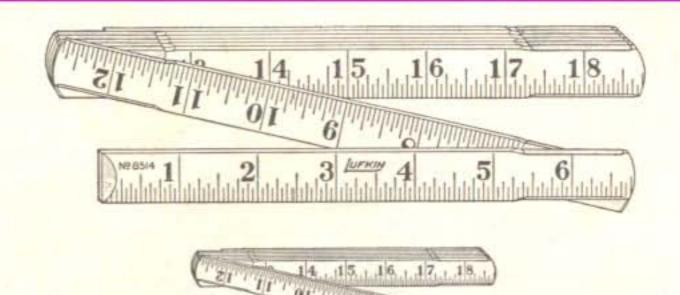
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Circulars on Display Cases with Assortments. (Showing attractive Display Cases we offer carrying assortments of various lines of our goods.)

Catalog of Tailors Squares, Measuring Sticks, etc. (Confined to Tailors Squares, Measuring Sticks and Tapes such as are used by the tailoring and clothing trades.)

General Catalog in Spanish.

Advertising Specialty Catalog. (Covering such Pocket Tapes, Steel and Wood Rules as we make boaring customer's advertising imprint. Further details, page 161.)