



# Ford Bit Co.



WORKS LOCATED ON  
BIGELOW STREET.

HOLYOKE, MASS.,

U. S. A.

## Introduction.



We take pleasure in presenting to you this, our new Illustrated Catalogue and Price List.

We have increased our facilities, and the standard of workmanship which has characterized The Ford Bit will be maintained.

We call special attention to the fact that we use nothing but the best quality of cast steel in the manufacture of our goods. Each bit is forged from the bar into shape between dies under heavy trip hammer blows, which process makes the grain in steel much finer and tougher, thus insuring a stronger and better tool than can be made by the old process of twisting.

Our bits have demonstrated their superiority over others which has resulted in their adoption by thousands of mechanics who have practically tested them in comparison with other makes.

Thanking our patrons for the liberal patronage we have received, we trust to have our share of same in future and it will be our constant endeavor to merit same.

Respectfully yours,

THE FORD BIT CO.

## THE FORD BIT COMPANY, OF HOLYOKE, MASS.,

Manufacture and Carry in Stock the Following Styles of  
BITS AND AUGERS.

AUGER BIT.



SHIP AUGER BIT.



MACHINE BIT.



DRILL HEAD MACH. BIT.



CAR BIT.



SHIP AUGER CAR BIT.



SHIP AUGER WITH SCREW.



SHIP AUGER WITHOUT SCREW.



CAR MACH. BIT SHIP AUGER PATTERN.



See following pages for list of above goods.



## Auger and Ship Auger Bits.



With or Without Screws.

Sizes in 16ths.	Auger Bits per doz.	Sizes in 16ths.	Ship Auger Bits per doz.
4	\$3 00	4	\$6 00
5	3 40	5	6 00
6	3 80	6	6 00
7	4 40	7	6 00
8	4 80	8	6 00
9	5 20	9	7 50
10	5 60	10	7 50
11	6 10	11	9 00
12	6 60	12	9 00
13	7 20	13	10 50
14	7 80	14	10 50
15	8 40	15	12 00
16	9 00	16	12 00
17	9 60	17	13 50
18	10 20	18	13 50
19	10 80	19	15 00
20	11 40	20	15 00
21	12 00		
22	12 60		
23	13 20		
24	13 80		
SETS.		SETS.	
24 qrs.	4 75	32½ qrs.	9 00
32½ "	6 25		

Auger Bits put up in dozens from 4 to 12-16ths, and half dozens from 13-16ths to 1 inch.

Ship Auger Bits put up in half dozens.

Sets 24 qrs. one each Nos. 4, 5, 7, 9, 11, 12; and two each 6, 8 and 10, (12 bits).

Sets 32½ qrs. one each 4 to 16-16ths inclusive (13 bits).

Sets put up in neat cherry boxes.

## Regular Machine, Drill Head Machine, 3, 4, and 6 in. Twist.

## Ship Auger Car-Machine, 12 in. Twist.



Use same list for Drill Head and Regular Machine Bits.

Sizes in 16ths.	Machine Bits per doz.
4	\$4 50
5	5 10
6	5 70
7	6 60
8	7 20
9	7 80
10	8 40
11	9 15
12	9 90
13	10 80
14	11 70
15	12 60
16	13 50
17	14 40
18	15 30
19	16 20
20	17 10
21	18 00
22	18 90
23	19 80
24	20 70
SETS.	
24 qrs.	7 13
32½ "	9 38



Sizes in 16ths.	Ship Aug Car Mach per doz.
4	\$7 50
5	8 50
6	9 50
7	11 00
8	12 00
9	13 00
10	14 00
11	15 25
12	16 50
13	18 00
14	19 50
15	21 00
16	22 50
17	24 00
18	25 50
19	27 00
20	28 50
21	30 00
22	31 50
23	33 00
24	34 50
SETS.	
24 qrs.	11 88
32½ "	15 63

Ship Auger Car-Machine Bits are especially adapted to car shop work.

Drill Head Machine Bits are especially designed for end-boring in hard wood.

Regular shanks for machines turned ½ in. x 2 in.

Special shanks, special prices.

In ordering Machine Bits, specify length of twist, length and diameter of shank. Any length of twist made to order.



## Regular Car and Ship Auger Car Bits, 12 in. Twist.



Sizes in 16ths.	Car Bits per doz.
4	\$6 00
5	6 80
6	7 60
7	8 80
8	9 60
9	10 40
10	11 20
11	12 20
12	13 20
13	14 40
14	15 60
15	16 80
16	18 00
17	19 20
18	20 40
19	21 60
20	22 80
21	24 00
22	25 20
23	26 40
24	27 60
SETS.	
24 qrs.	9 50
32 1/2 "	12 50



With or Without Screw.

Sizes in 16ths.	Ship Aug. Car Bits per doz.
6 1/2	\$8 50
7	9 00
8	9 50
9	10 00
10	10 50
11	11 00
12	11 50
13	12 00
14	12 50
15	13 00
16	14 00
17	14 50
18	15 50
19	16 00
20	17 00
20	17 50
SETS.	
32 1/2 qrs.	12 00

Regular Car Bits are designed for fine work and deep boring; warranted not to choke boring entire length of twist.

Ship Auger Car Bits are designed for rough work and rapid boring, especially adapted to hard wood.

Regular Car Bits put up in dozens from 4 to 12-16ths, and half dozens from 13-16ths to 1 inch.

Ship Auger Car put up in half dozens.

Above styles also put up in sets in cherry boxes.

## Ship Augers. With and Without Screw.

SHIP AUGERS WITH RING, 10 PER CENT HIGHER.



Sizes in 16ths.	Ship Augers per doz.
4	\$7 50
5	7 50
6	7 50
7	7 50
8	7 50
9	9 00
10	9 00
11	9 00
12	10 50
13	10 50
14	12 00
15	12 00
16	13 50
17	13 50
18	15 00
19	15 00
20	16 50
21	16 50
22	18 00
23	18 00
24	21 00
25	21 00
26	24 00
27	24 00
28	25 50
29	25 50
30	27 00
31	27 00
32	31 50
SETS.	
29 1/2 qrs.	9 75

### BORING MACHINE AUGERS.

Sizes 16ths,	16	18	20	22	24	28	32
Price per doz.,	\$16.00	18.00	20.00	22.00	24.00	28.00	32.00
Sets 18 qrs.,	.	.	.	.	.	.	\$6.00
Sets 23 qrs.,	.	.	.	.	.	.	7.65
Sets 18 qrs., one each Nos. 16, 24 and 32.							
Sets 23 qrs., one each Nos. 16, 20, 24 and 32.							
Sets Ship Augers 29 1/2 qrs., one each 12, 14, 16, 20, 24 and 32 16ths. (6 augers).							

### CHISEL BITS.

Probably the hardest place to put a bit is inside a hollow mortising chisel, and here the clearance feature of the Ford comes into prominence. Our twist is constructed so as to carry the chips through the chisel instead of crowding same against the sides, thus obviating choking. In writing for prices always state length of twist and length and size of shank, or accompany order with sample. Also mention size hole in chisel, or send sample to have bit fitted to.



## AN IMPROVED BIT.

[FROM SCIENTIFIC AMERICAN, Feb. 15, 1896].

We illustrate the Ford patent bit, a tool which has been subjected to thorough testing upon different kinds of wood and which has a distinguishing peculiarity over other bits, which lies in the twist. Its shape is determined by and defined as that of a single concaved twist. This gives it



a single cutting edge and a single projecting lip. The thread of the screw point is a continuation of the twist of the upper part, so that one merges into the other. The concave shape of the upper surface of the twist has the effect of drawing the borings toward the center or axis of the bit, thus preventing friction of borings against the sides of the hole, and thereby also preventing choking. For this bit, the necessity of constantly withdrawing for removing the chips does not exist. The cut shows the self-cleaning action of the tool, and also presents its general shape. The drawing was made from an actual boring with the bit, the hole being made one-half in each of two separate pieces of wood, which were then separated to give the model for the artist and to show its action.

The bits were tried in different kinds of wood vertical to the grain, diagonal thereto, and in other ways. The straightness of the hole was also remarked, and the absence of any tendency to split the wood was an evidence of the good clearance. The screw point

held its grip very well, no pressure whatever being required for the feed, even in end grain boring. The action of the edge is a true cutting one, not a scraping one. The Ford Bit Company, of Holyoke, Mass., are the manufacturers.