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FM 30-58

WAR DEPARTMENT

BASIC FIELD MANUAL



MILITARY INTELLIGENCE

IDENTIFICATION OF
JAPANESE NAVAL VESSELS

December 29, 1941

FM 30-58

BASIC FIELD MANUAL



MILITARY INTELLIGENCE
IDENTIFICATION OF
JAPANESE NAVAL VESSELS

Prepared under direction of the
Chief of Staff



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BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

E. S. ADAMS,
Major General,
The Adjutant General.

DISTRIBUTION:

X

(For explanation of symbols see FM 21-6.)

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BASIC FIELD MANUAL

MILITARY INTELLIGENCE

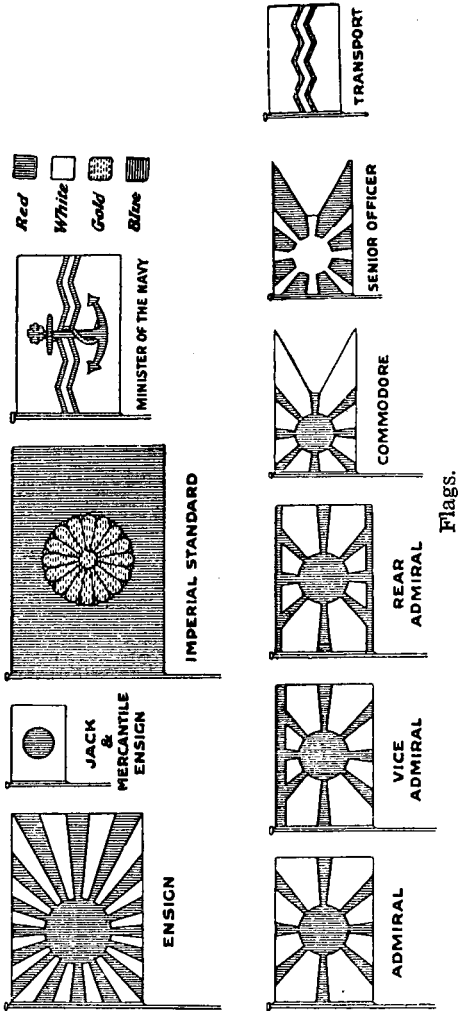
IDENTIFICATION OF JAPANESE NAVAL VESSELS

The material contained in this manual has been secured from many sources. It is the best material available, but may be incomplete.

This manual, containing illustrations with explanatory data relative to Japanese naval vessels, is published for limited distribution. It will be used for instruction of officers and men in the appearance and general characteristics of Japanese naval vessels.











IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

Insignia of rank

| | |
|-------------------------------------------------------------------------------------|--------------------------------------------|
|  | Tai-sho. <i>Admiral.</i> |
|  | Chu-sho. <i>Vice-Ad.</i> |
|  | Sho-sho. <i>Rear-Ad.</i> |
|  | Tai-sa. <i>Captain.</i> |
|  | Chu-sa. <i>Commander</i> |
|  | Sho-sa. <i>Lieut Com</i> |
|  | Tai-i. <i>Lieutenant</i> |
|  | Chu-i. <i>Sub-Lieut.</i> |
|  | Sho-i <i>Acting</i> <i>Sub-Lieut</i> |
|  | Sho-i Ko-hosei. <i>Midshipman</i> |

Insignia of rank—executive officers—sleeves.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

Principal Naval Guns

| Notation | Caliber | Length in calibers | Model | Weight of Gun | Weight of A. P. shot | Mazim initial velocity | Maximum penetration firing at K. C. | | Danger space against average ship, at— | | | Service rate of fire. Rounds per minute |
|----------|---------|--------------------|---------|---------------|----------------------|------------------------|-------------------------------------|-------------|----------------------------------------|-------------|-------------|-----------------------------------------|
| | | | | | | | 5,000 yards | 3,000 yards | 10,000 yards | 5,000 yards | 3,000 yards | |
| | Inches | | K. M. V | Tons | Lbs. | F. S. | Inches | Inches | Yards | Yards | Yards | |
| Heavy | 16 | 45 | | 105 | 1,400 | 2,600 | | | | | | |
| | 14 | 45 | V | 82 | | | | | | | | |
| Medium | 8 | 50 | | | | | | | | | | |
| | 8 | 45 | A | 17½ | 250 | 2,740 | 7 | 10 | 110 | 425 | 600 | 1.2 |
| | 8 | 40 | A | 15½ | 250 | 2,580 | 5½ | 7½ | 100 | 400 | 580 | 1.2 |
| | 6 | 45 | (104) | 8½ | 100 | 3,000 | 4½ | 6½ | 75 | 250 | 475 | |
| | 6 | 50 | V | 8 | 100 | 3,000 | 4½ | 6½ | 75 | 250 | 475 | 6 |
| | 6 | 40 | A | 6½ | 100 | 2,500 | 3 | 4½ | 65 | 210 | 435 | 7 |
| | 6 | 40 | A | 6 | 100 | 2,220 | 2½ | 4 | 35 | 150 | 360 | 8 |
| | 5.5 | 50 | | 6¼ | 82 | 2,725 | | | | | | 12 |
| | 4.7 | 45 | | | | | | | | | | |
| | 4.7 | 40 | A | 2 | 45 | 2,150 | | | | | | 8 |
| 4.7 | 32 | A | 1¾ | 36 | 1,988 | | | | | | 8.6 | |
| Light | 3 | | | | 14 | | | | | | | |
| | 3 | 40 | | 2 | 12 | 2,200 | | | | | | |
| AA | 3 | 40 | | | 13 | | | | | | | |
| | | | | | | | | | | | | |

In the Model column, A=Armstrong; V=Vickers; K. M.=Kure Arsenal and Muroan Steel Works.

There are also mounted in recent ships: 6.1-inch (Mogami class) 8-inch, cal. .50 K. M.; 5-inch, cal. .50 A.A., 1927 K. M.; 4.7-inch, cal. .50 A.A.; and various marks of 4-inch and 3-inch.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Japanese Alphabet

Japanese Alphabet. Read name from right to left in syllables made by consonants (down) and vowels (across), in names painted on sides of smaller ships.

| | A | E | I | O | U | YA | YO | YU | WA |
|---|---|---|---|---|---|----|----|----|----|
| | ア | エ | イ | オ | ウ | / | / | / | / |
| B | バ | ベ | ビ | ボ | ブ | ビャ | ビョ | ビュ | / |
| D | ダ | デ | ヂ | ド | ヅ | ヂャ | ヂョ | ヂュ | / |
| G | ガ | ゲ | ギ | ゴ | グ | ギャ | ギョ | ギュ | グフ |
| H | ハ | ヘ | ヒ | ホ | フ | ヒャ | ヒョ | ヒュ | / |
| K | カ | ケ | キ | コ | ク | キャ | キョ | キュ | クフ |
| M | マ | メ | ミ | モ | ム | ミャ | ミョ | ミュ | / |
| N | ナ | ネ | ニ | ノ | ヌ | ニャ | ニョ | ニュ | / |
| P | パ | ペ | ピ | ポ | プ | ピャ | ピョ | ピュ | / |
| R | ラ | レ | リ | ロ | ル | リャ | リョ | リュ | / |
| S | サ | セ | シ | ソ | ス | シャ | ショ | シユ | / |
| T | タ | テ | チ | ト | ツ | チャ | チョ | チュ | / |
| W | ワ | ヱ | ヰ | ヲ | / | / | / | / | / |
| Y | ヤ | / | / | ヨ | ユ | / | / | / | / |
| Z | ザ | ゼ | ジ | ゾ | ズ | ジャ | ジョ | ジュ | / |

N = ノ

Table for interpretation of Japanese ideographs when found painted on ships.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Battleships
(New construction)
Nissin Class
(5 ships)

NISSIN

TAKAMATU

One complete but no name given.

Two others being completed.

Description: Displacement: Over 40,000 tons.

Length:

Beam:

Draft:

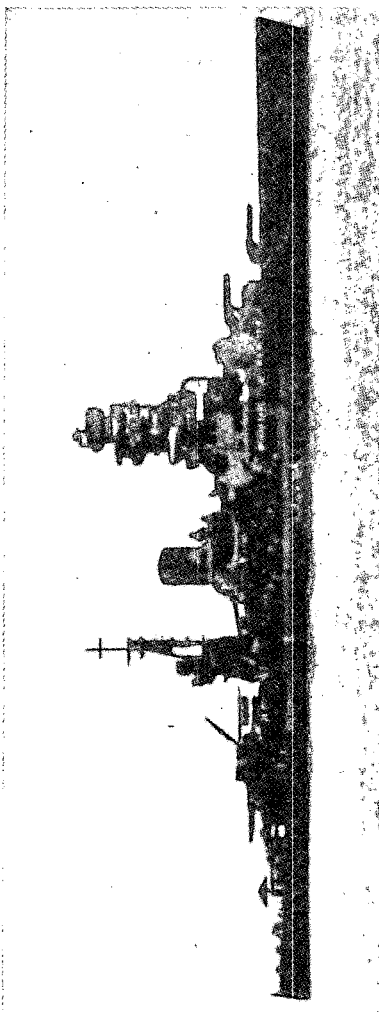
Speed: 30 knots.

Guns: 9—16-inch.

NOTE.—The above data are unofficial.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Battleship MUTSU.
Mutsu Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Battleships
Mutsu Class
(2 ships)

MUTSU
NAGATO

Description: Displacement: 32,720 tons (standard).
Length: 700 feet (over-all) approximate.
Beam: 95 feet.
Draft: 30 feet (maximum).
Speed: 24.5 knots.

Guns: 8—16-inch.
18—5.5-inch.
8—5-inch AA.
7—machine guns.

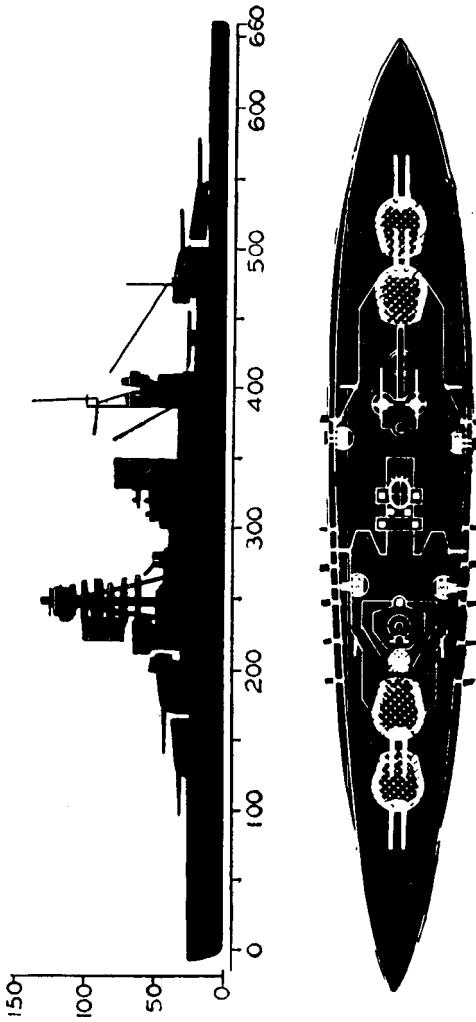
Torpedo tubes: 4—21-inch (submerged).

Aircraft: 3.

Catapults: 1.

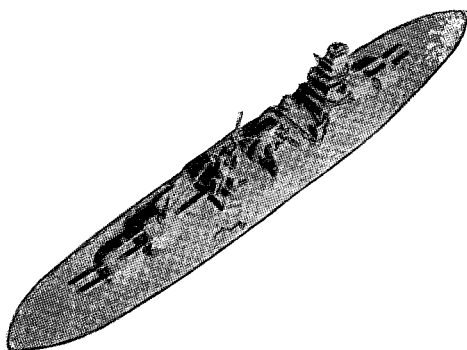
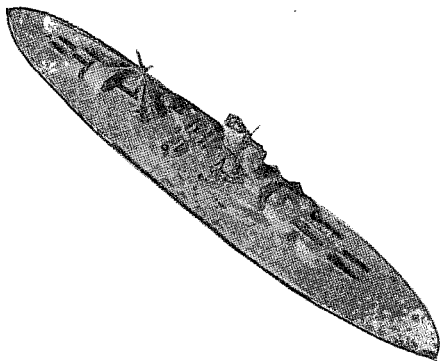
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



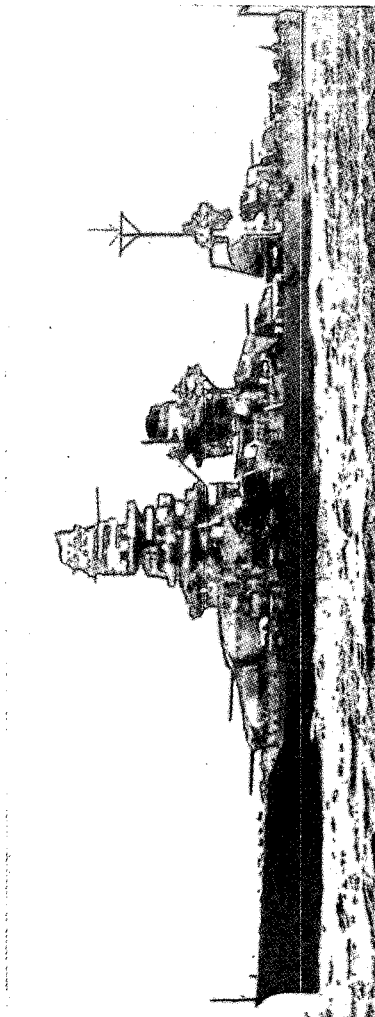
IDENTIFICATION OF JAPANESE NAVAL VESSELS

Battleships
Mutsu Class



Air views.

JAPANESE
NAVY



Battleship ISE.
Ise Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Battleships
Ise Class
(2 ships)

ISE

HYUGA

Description: Displacement: 29,990 tons (standard).

Length: 683 feet (over-all).

Beam: 94 feet.

Draft: 28 $\frac{2}{3}$ feet (maximum).

Speed: 23 knots.

Guns: 12—14-inch.

18—5.5-inch.

8—5-inch AA.

7—machine guns.

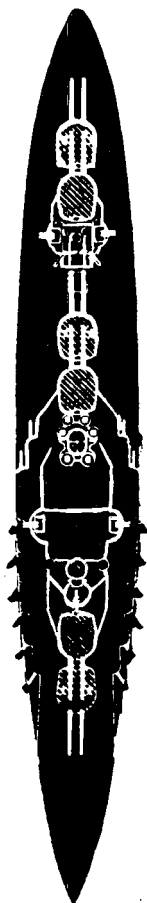
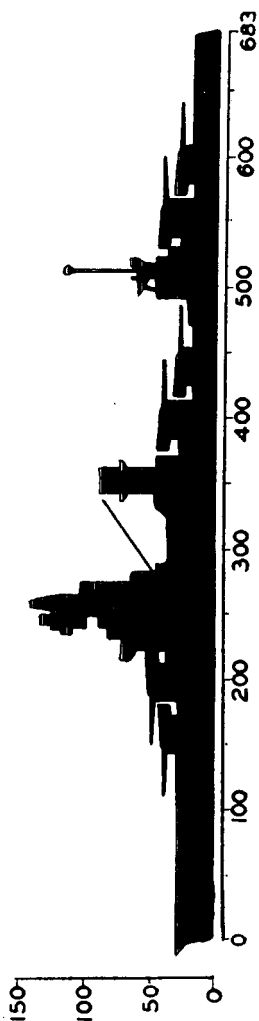
Torpedo tubes: 4—21-inch (submerged).

Aircraft: 3.

Catapults: 1.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

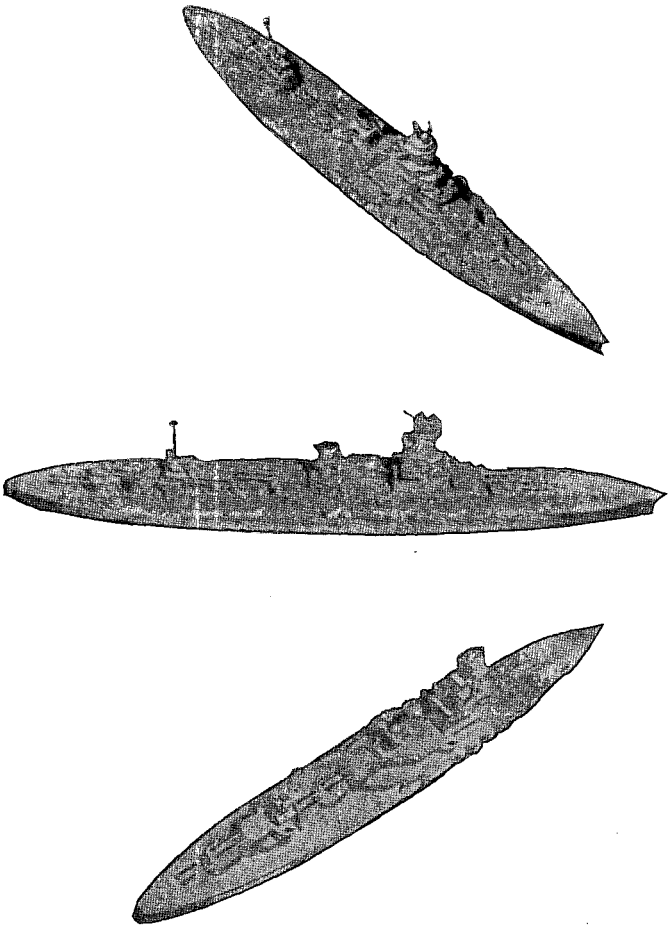
JAPANESE
NAVY



Ise Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

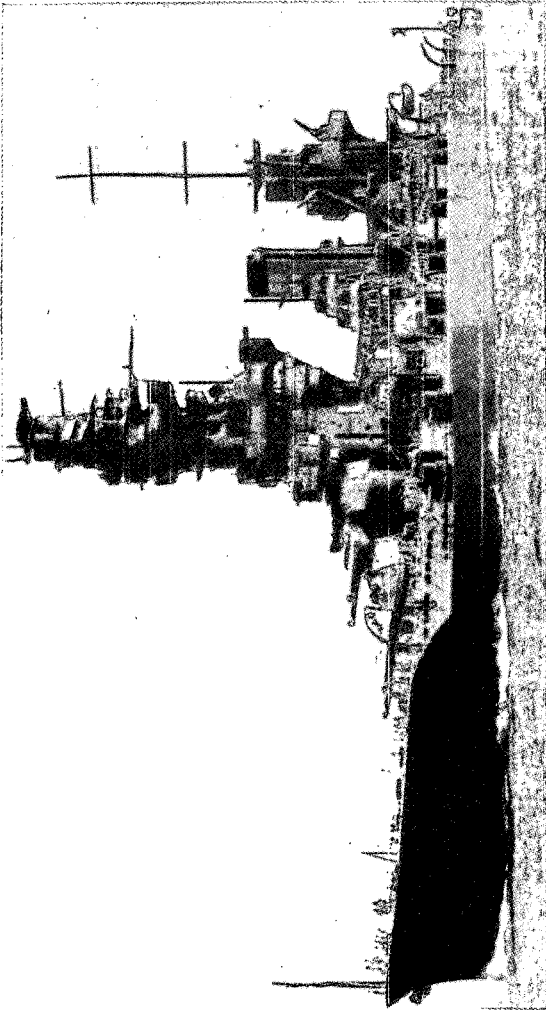
Battleships
Ise Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Battleship FUSO.
Yamashiro Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Battleships
Yamashiro Class
(2 ships)

YAMASHIRO
FUSO

Description: Displacement: 29,330 tons (standard).
Length: 673 feet (over-all).
Beam: 94 feet.
Draft: 28.5 feet (maximum).
Speed: 23 knots.

Guns: 12—14-inch.
16—6-inch.
8—5-inch AA.
26—machine guns.
4—landing.

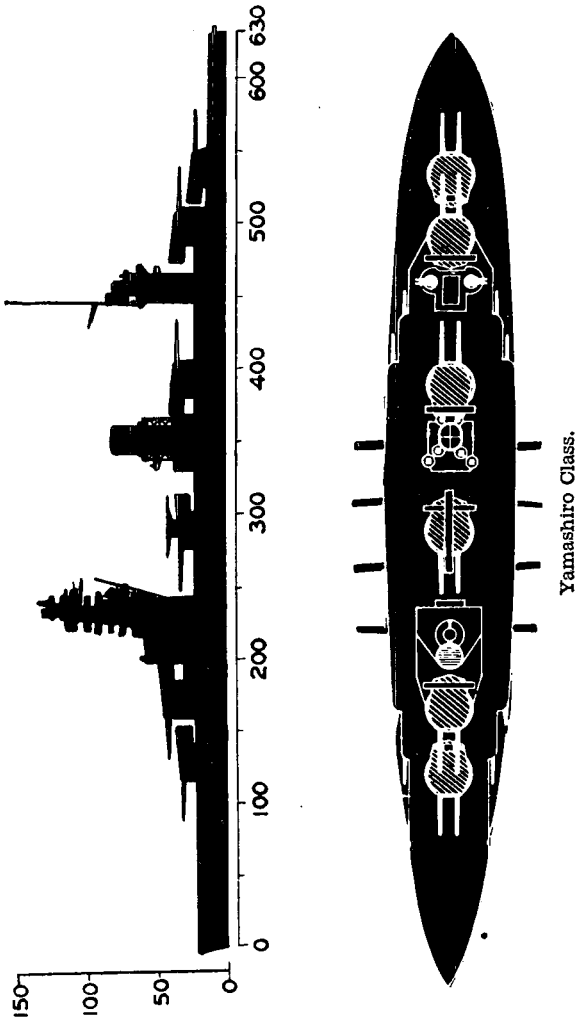
Torpedo tubes: 2—21-inch (submerged).

Aircraft: 3.

Catapults: 1.

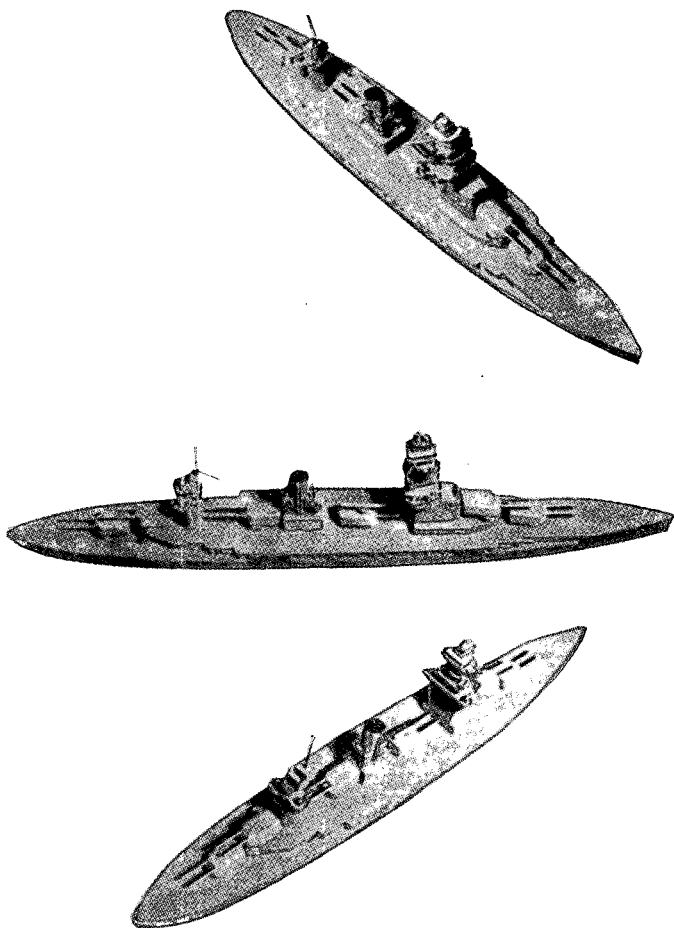
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

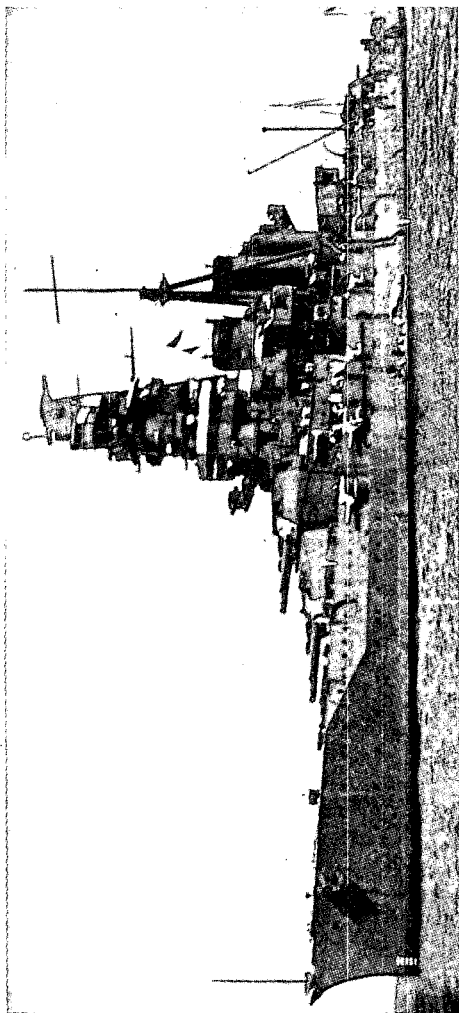
Battleships
Yamashiro Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Battleship HARUNA.
Haruna Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Battleships
Haruna Class
(4 ships)

HARUNA

KIRISHIMA

KONGO (Employed as seagoing training ship)

HIYEI (Employed as seagoing training ship)

Description: Displacement: 29,330 tons (standard).

Length: 704 feet (over-all).

Beam: 92 to 95 feet.

Draft: 27.5 feet (maximum).

Speed: 26 knots (HIYEI 18 knots).

Guns: 8—14-inch.

16—6-inch.

8—5-inch AA.

4—machine guns.

4—landing.

Torpedo tubes: 4—21-inch (submerged).

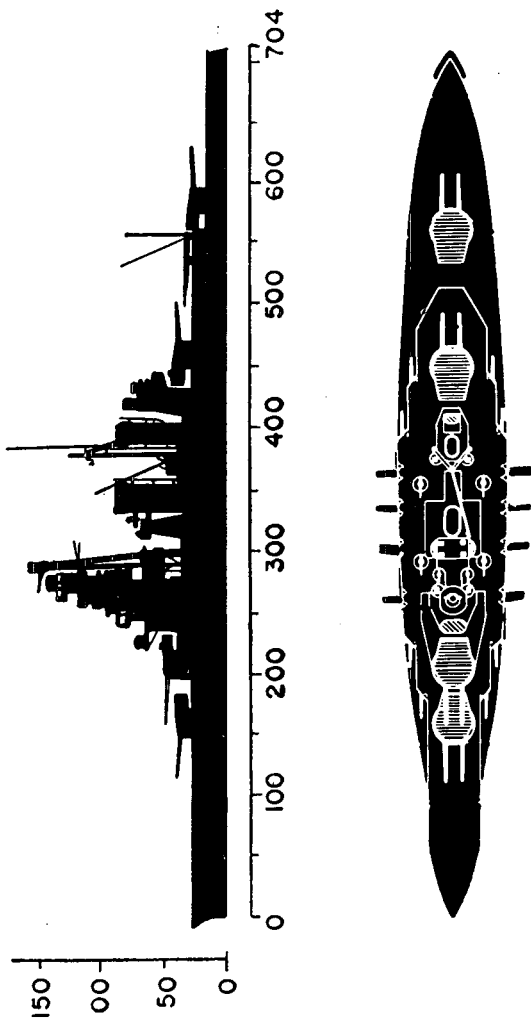
Aircraft: 3.

Catapults: 1.

Speed note: HIYEI, demilitarized for training purposes, reported to be in hand for rearmament, but this is not officially admitted.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

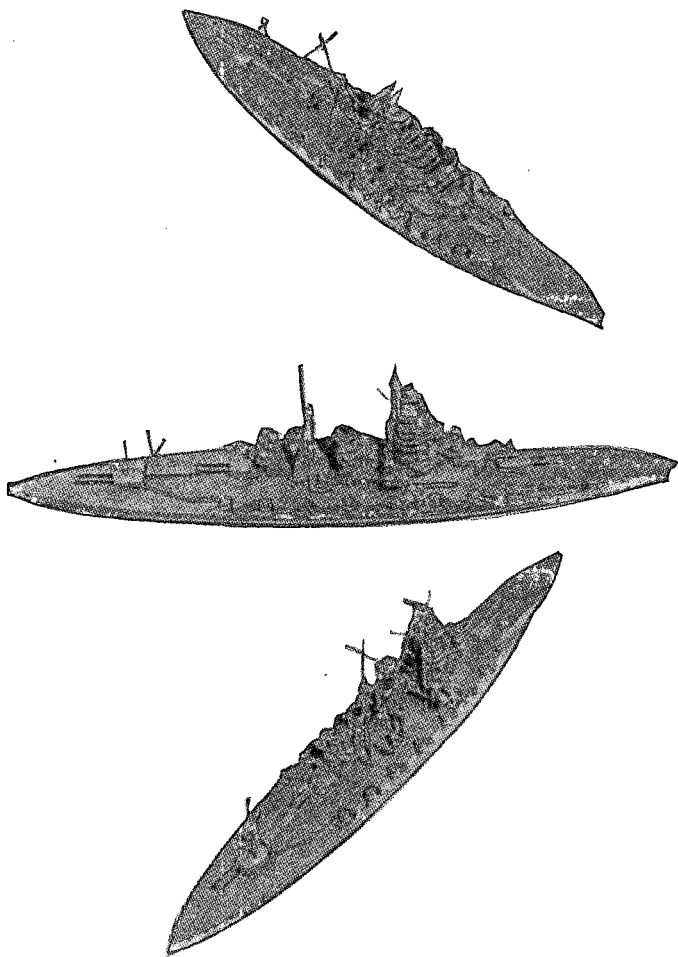
JAPANESE
NAVY



Haruna Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Battleships
Haruna Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

**JAPANESE
NAVY**

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Pocket Battleships
(Building or completing)

KADEKURU

KASINO

HACHIJO

One ship (name not known)

Description: Displacement: 12,000 to 15,000 tons.

Length:

Beam:

Draft:

Speed: Reported as 30 knots.

Guns: 6—12-inch.

NOTE.—The exactitude of the above information cannot be guaranteed. It would appear that the design of these vessels is based on that of the German "pocket battleships," so that they are actually heavy armored cruisers rather than battleships.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carriers
Zuikaku Class
(Completing)

ZUIKAKU
TAKASAGO

One other

Description: Displacement: 20,000 tons.
Length: 800 feet (over-all).
Beam: 100 feet.
Draft:
Speed: 30 knots.

Guns:

Aircraft: 45.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carrier
(New construction)

SHOKAKU

Description: Displacement: 15,000 tons.

Length: 800 feet (over-all).

Beam:

Draft:

Speed: 30 knots.

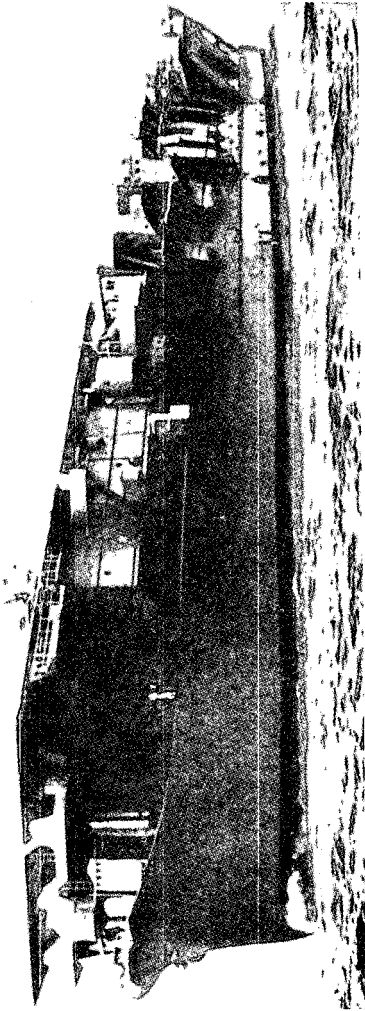
Guns: 12—5-inch.

AA machine guns—Yes.

Aircraft: 30 to 40.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Aircraft Carrier SORYU.
Soryu Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carriers
Soryu Class
(3 ships)

SORYU
HIRYU
KORYU

Description: Displacement: 10,050 tons.

Length: 688½ feet.

Beam: 68⅓ feet.

Draft: 16.5 feet (mean).

Speed: 30 knots.

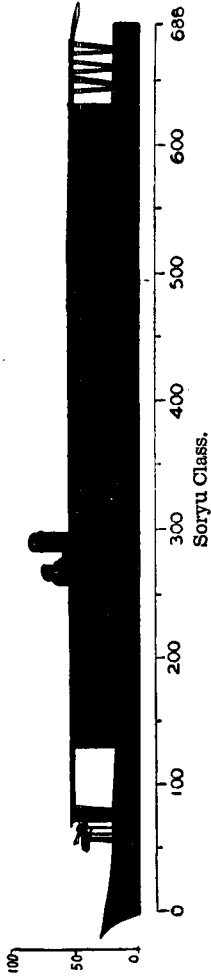
Guns: 12—5-inch (dual purpose, paired).

16—AA machine guns.

Aircraft: 53.

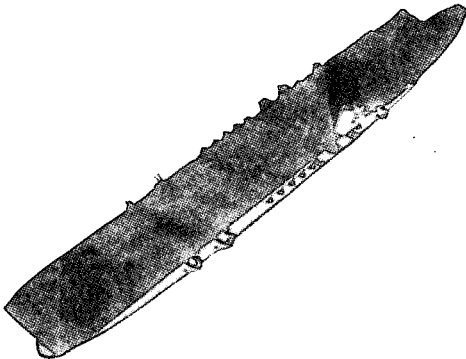
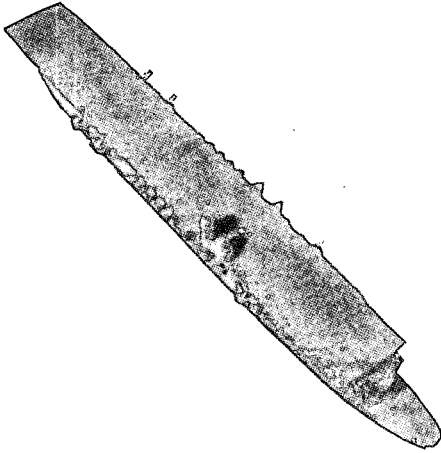
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

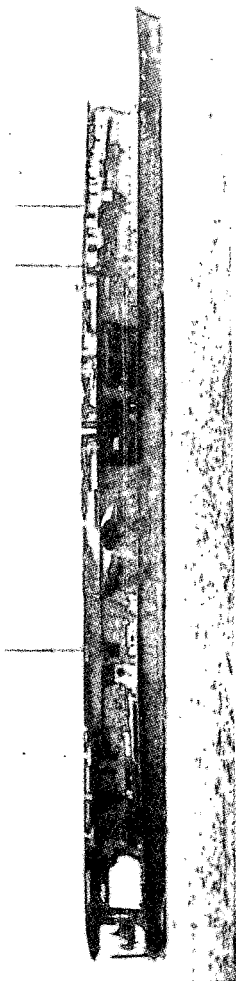
Aircraft Carriers
Soryu Class



Air views.
33

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Aircraft Carrier RYUJO.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carrier

RYUJO

Description: Displacement: 7,600 tons.

Length: 548 feet.

Beam: 60.5 feet.

Draft: 15 $\frac{1}{3}$ feet.

Speed: 25 knots.

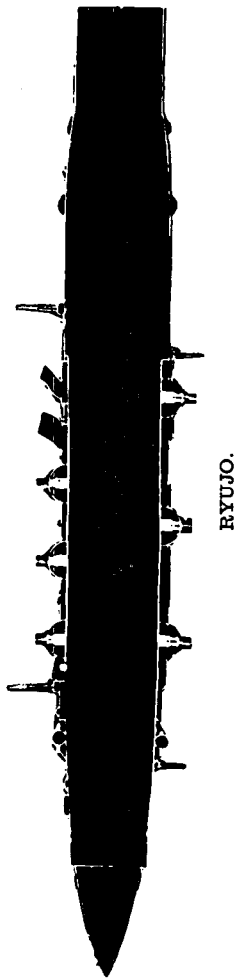
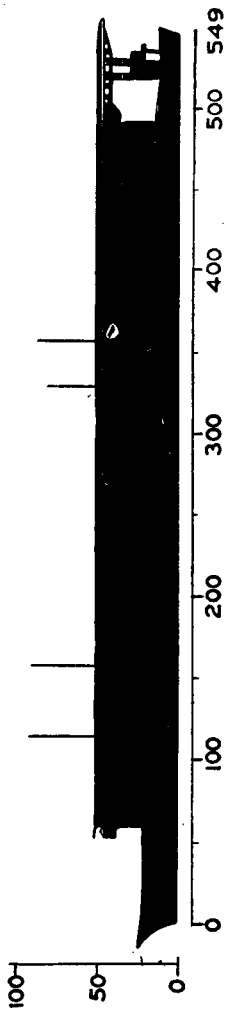
Guns: 12—5-inch dual purpose.

24—AA machine guns.

Aircraft: 24 (unofficial).

IDENTIFICATION OF JAPANESE NAVAL VESSELS

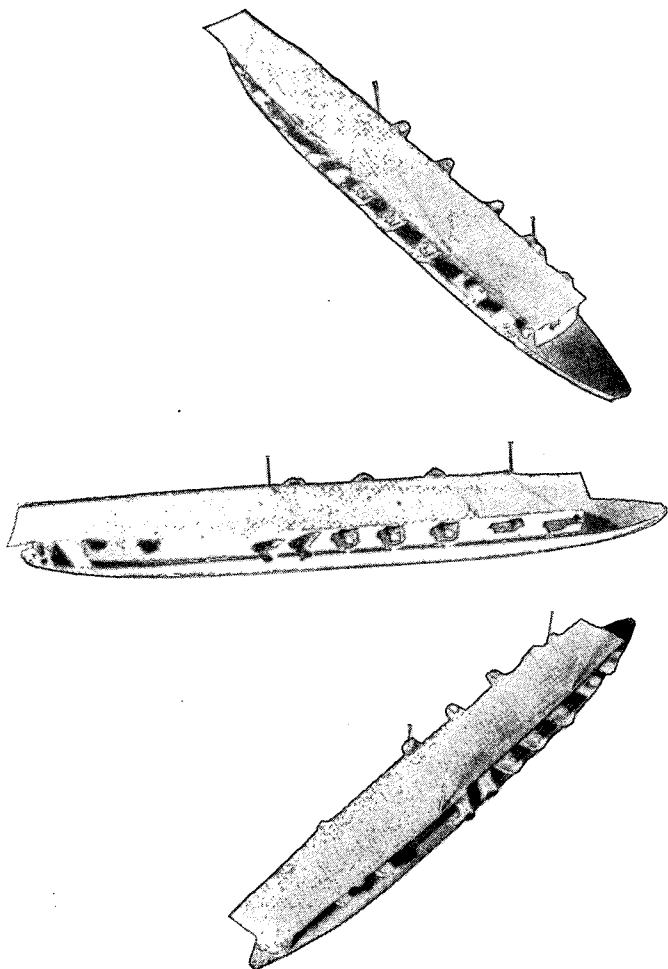
JAPANESE
NAVY



RYUJO.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

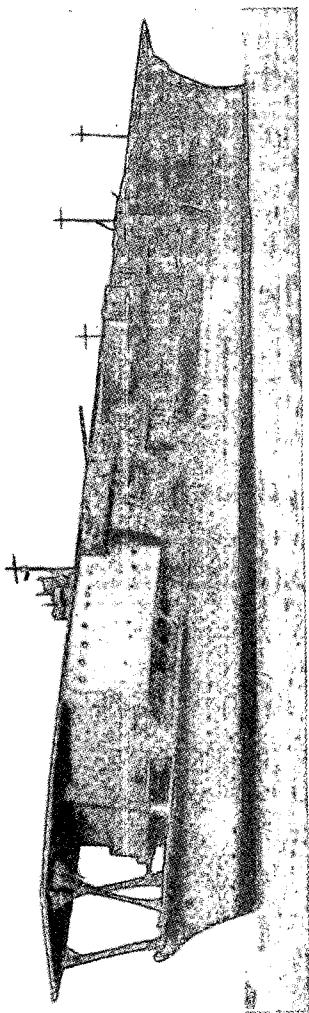
Aircraft Carrier
RYUJO



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Aircraft Carrier KAGA.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carrier

KAGA

Description: Displacement: 26,900 tons.

Length: 715 feet (between perpendiculars).

Beam: 102.75 feet.

Draft: $21\frac{1}{3}$ feet.

Speed: 24 knots.

Guns: 10—8-inch.

12—4.7-inch AA.

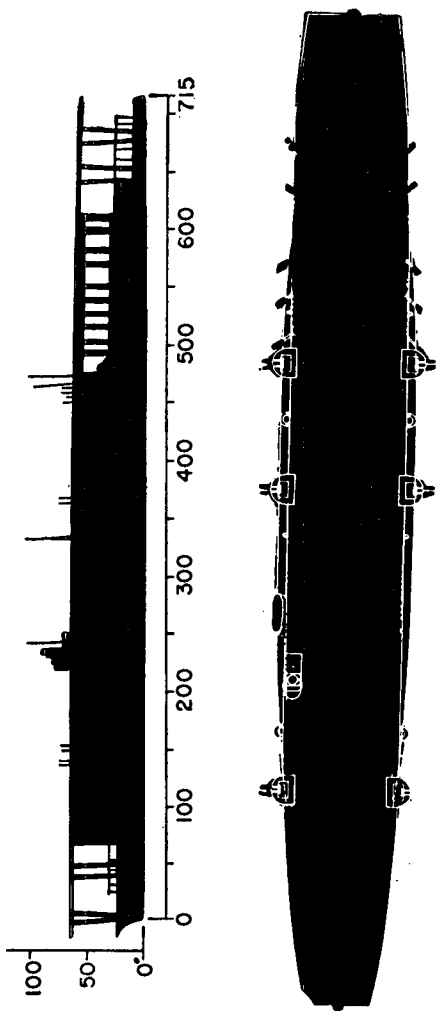
28—machine guns.

Aircraft: 30 to 40.

APPEARANCE NOTE.—Similar in design to AKAGI.

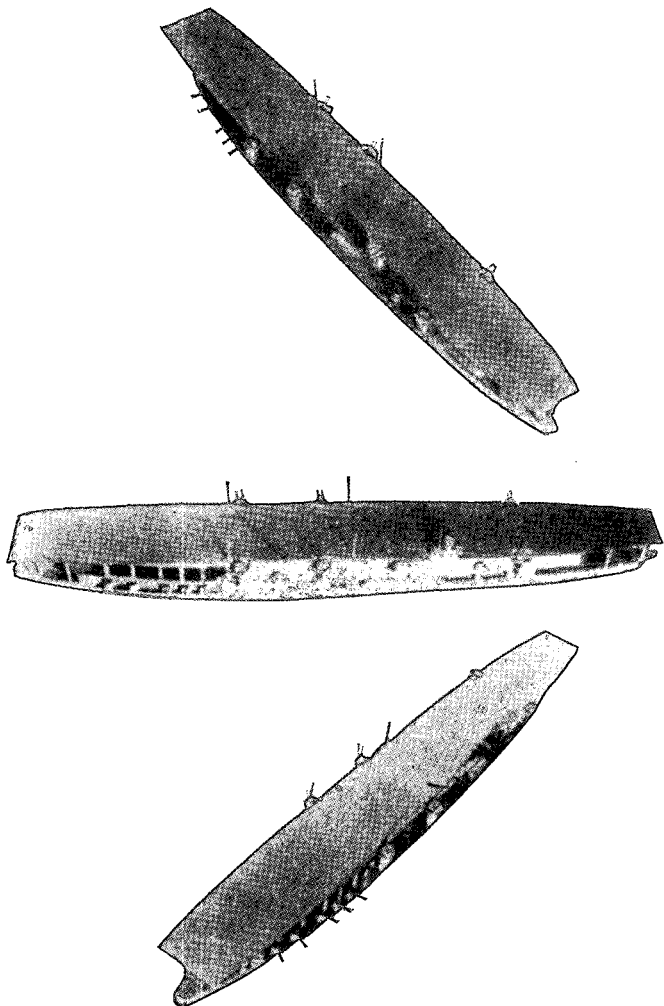
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carrier
KAGA



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

(AKAGI is similar in appearance to KAGA on preceding
page.)

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carrier

AKAGI

Description: Displacement: 26,900 tons.

Length: 763 feet (between perpendiculars).

Beam: 92 feet.

Draft: 21.25 feet.

Speed: 28.5 knots.

Guns: 10—8-inch.

12—4.7-inch AA.

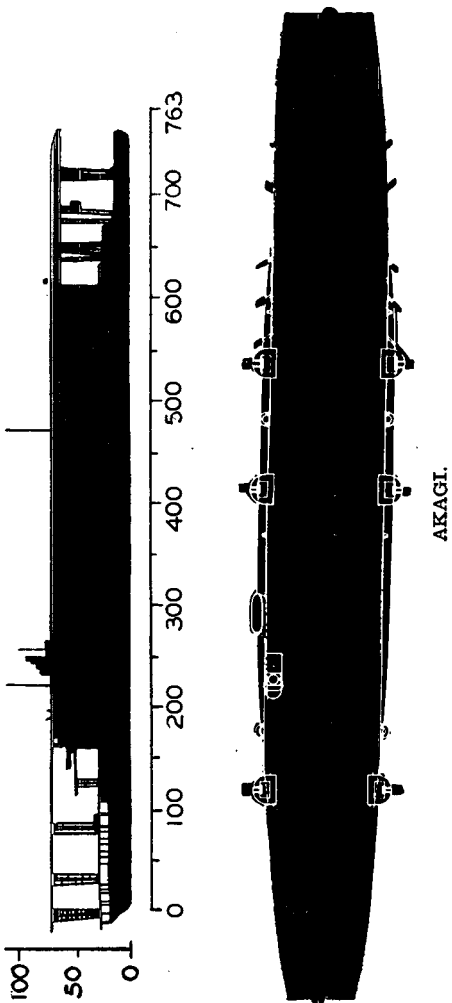
22—machine guns.

Aircraft: 32 to 40.

APPEARANCE NOTE.—Similar in design to **KAGA**.

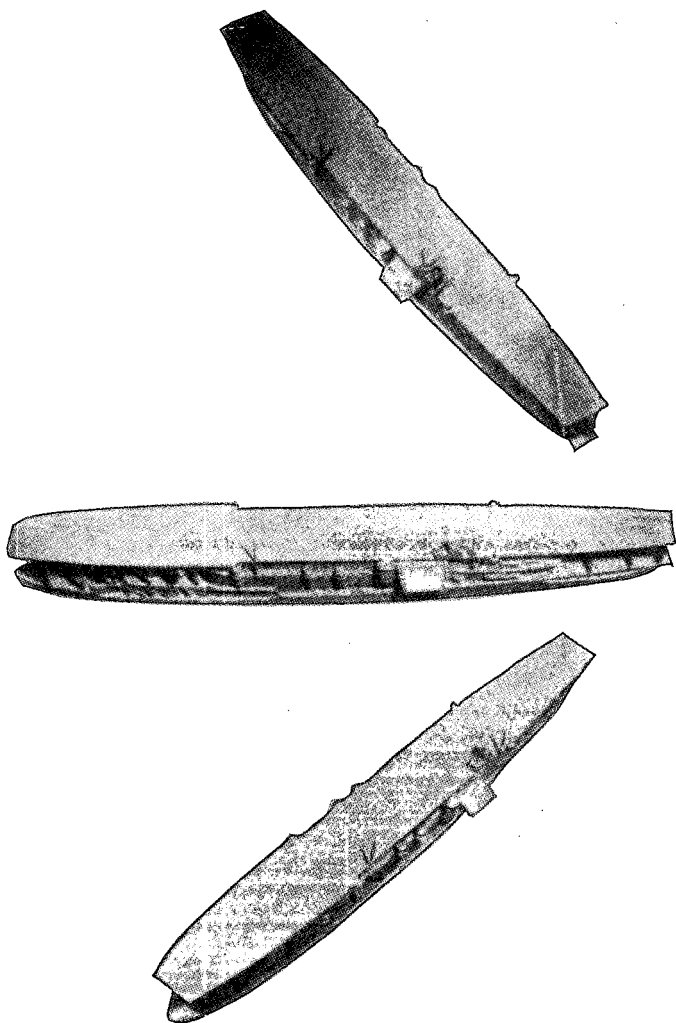
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carrier
AKAGI

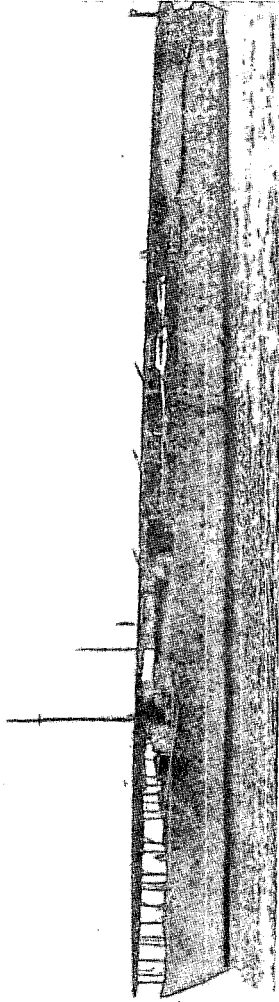


Air views.

431418°—11—4

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Aircraft Carrier HOSHO (with funnels lowered to horizontal position).

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Aircraft Carrier

HOSHO

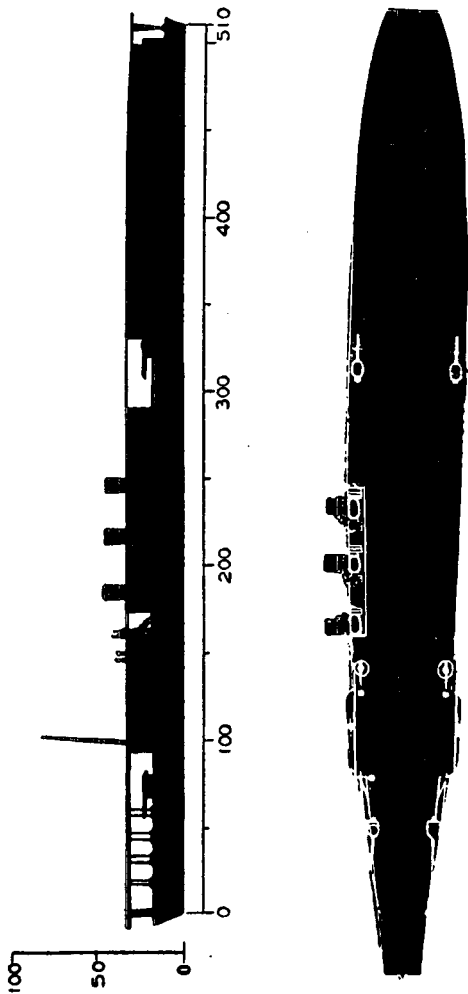
Description: Displacement: 7,470 tons.
Length: 510 feet (between perpendiculars)
Beam: 62 feet.
Draft: 20.25 feet.
Speed: 26 knots.

Guns: 4—5.5-inch.
2—3-inch AA.

Aircraft: 16 to 20.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

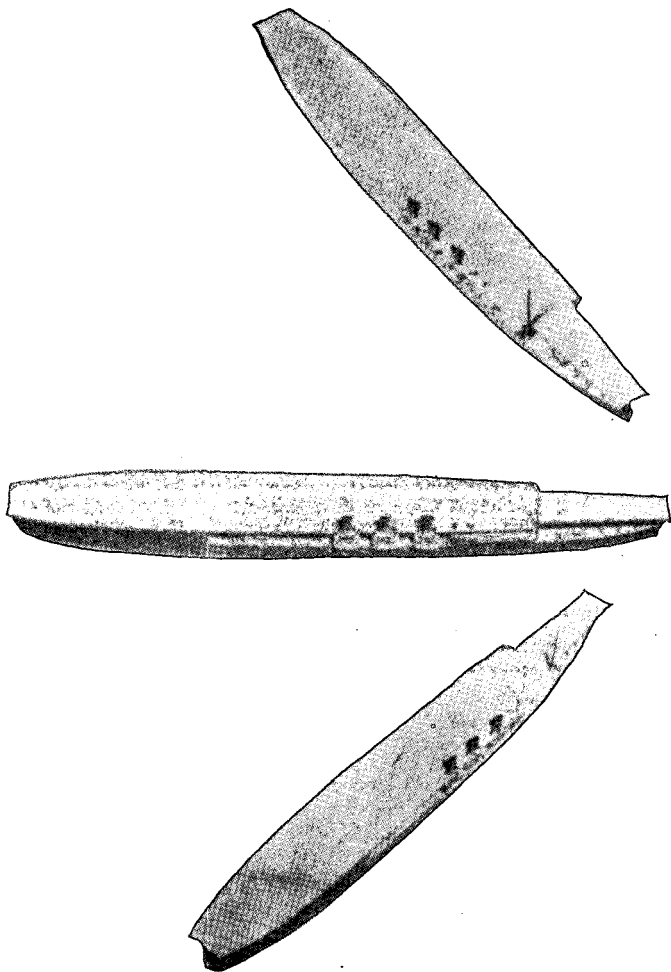


HOSHŌ.

NOTE.—Funnels may be lowered from vertical to horizontal position.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

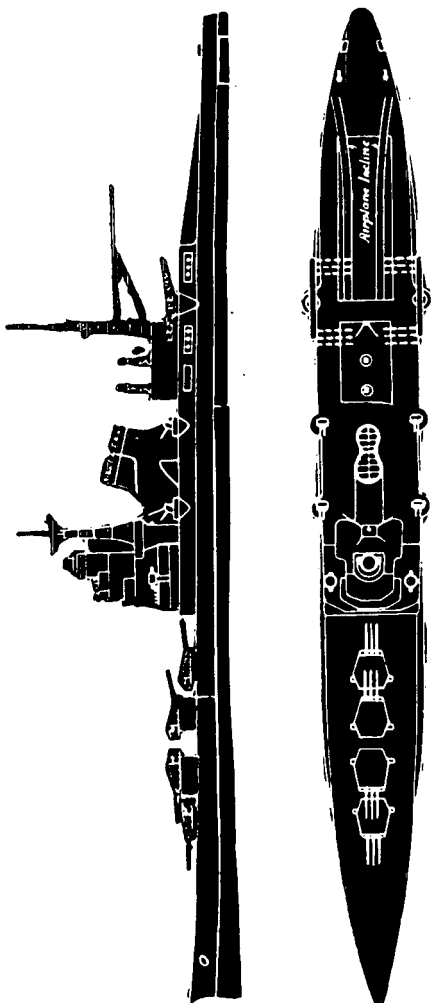
Aircraft Carrier
HOSHO



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



TONE and CHIKUMA.

Heavy Cruisers (recent construction).

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Heavy Cruisers
TONE, CHIKUMA

TONE
CHIKUMA

Description: Displacement: 8,500 tons.

Length: 614¼ feet (between perpendiculars).

Beam: 63 feet.

Draft: 14¾ feet.

Speed: 33 knots.

Guns: 12—6.1-inch.

8—5-inch AA.

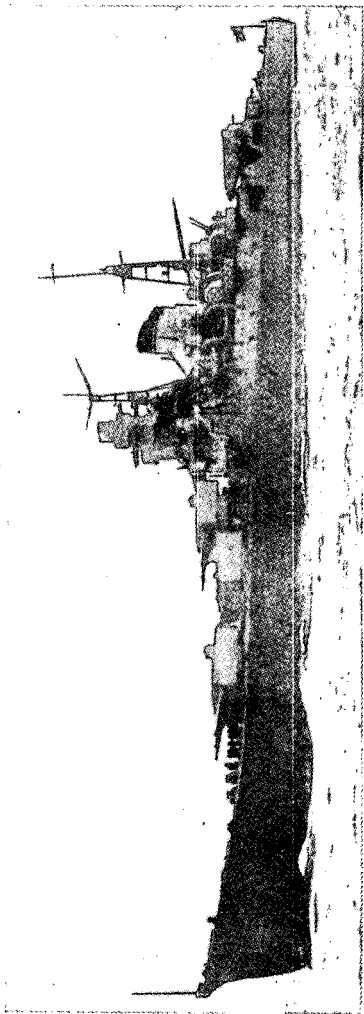
12—machine guns.

Torpedo tubes: 12.

Aircraft: 4.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Heavy Cruiser KUMANO.
Mogami Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Heavy Cruisers
Mogami Class
(4 ships)

MOGAMI
MIKUMA
SUZUYA
KUMANO

Description: Displacement: 8,500 tons (standard).
Length: 639 $\frac{3}{4}$ feet (over-all).
Beam: 59.75 feet.
Draft: 14.75 feet.
Speed: 33 knots.

Guns: 10—8-inch.
8—5-inch AA.
6—machine guns.

Torpedo tubes: 12—21-inch (tripled, above water).

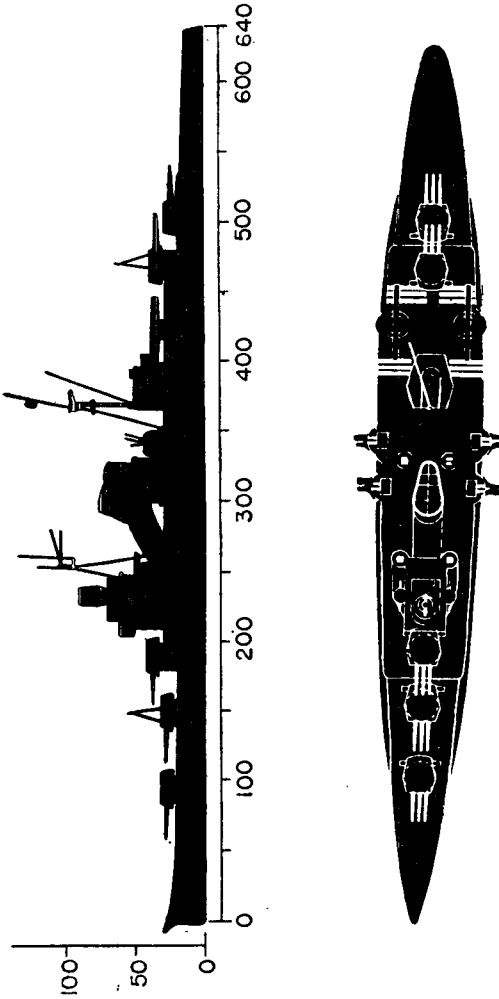
Aircraft: 4.

Catapults: 2.

NOTE.—There are sundry small differences in appearance as completed.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

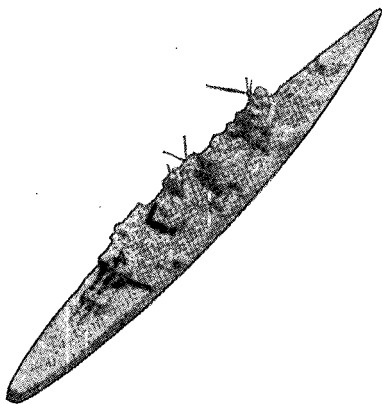
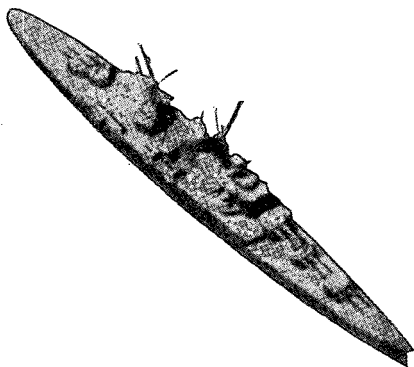
JAPANESE
NAVY



Mogami Class.
NOTE.—Actually has 10—8-inch guns in pairs.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

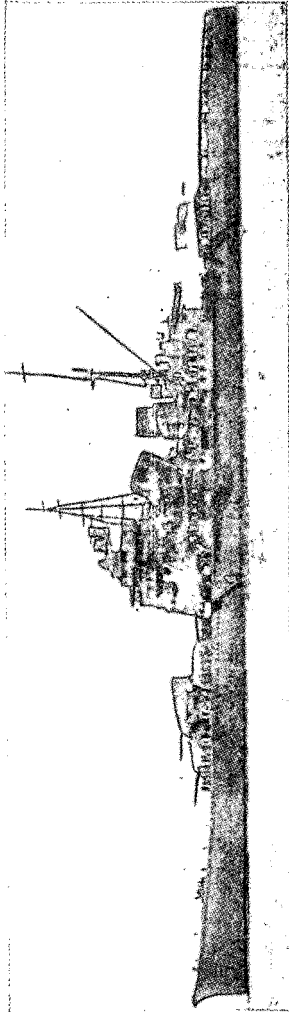
Heavy Cruisers
Mogami Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Heavy Cruiser MAYA.
Atago Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Heavy Cruisers
Atago Class
(4 ships)

ATAGO
TAKAO
CHOKAI
MAYA

Description: Displacement: 9,850 tons (standard).

Length: 650 feet (over-all).

Beam: 62 $\frac{1}{3}$ feet.

Draft: 16.4 feet (mean).

Speed: 33 knots (maximum).

Guns: 10—8-inch.

4—4.7-inch AA.

8—47-mm AA.

4—machine guns.

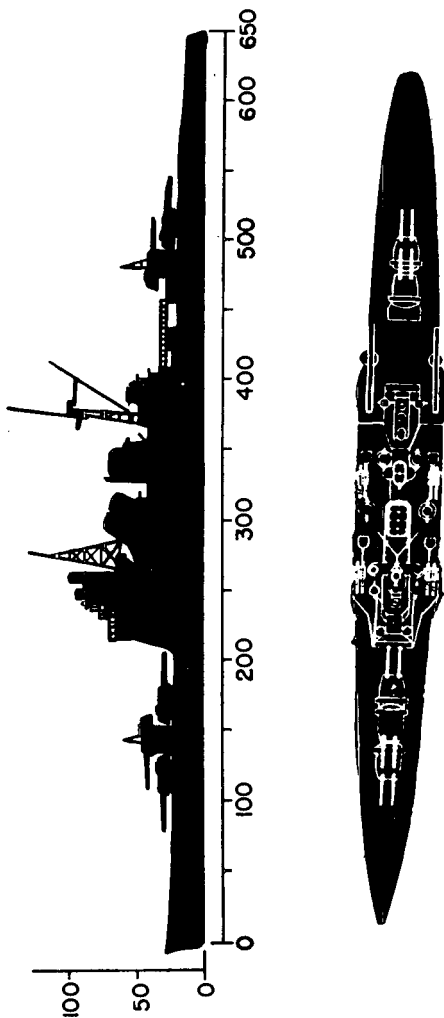
Torpedo tubes: 8—21-inch (above water).

Aircraft: 4.

Catapults: 2.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

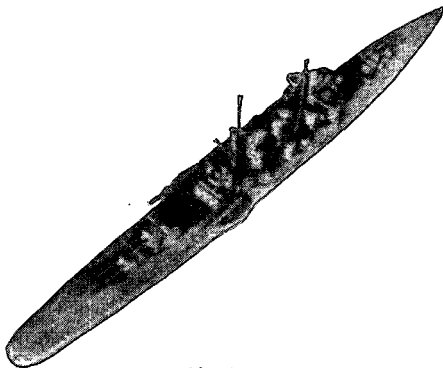
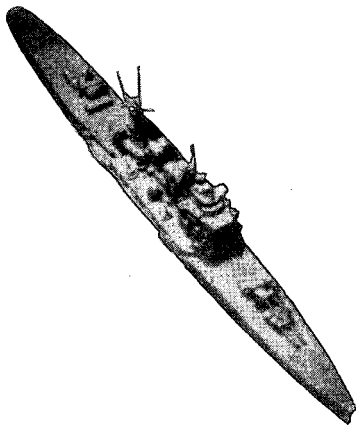
JAPANESE
NAVY



Atago Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

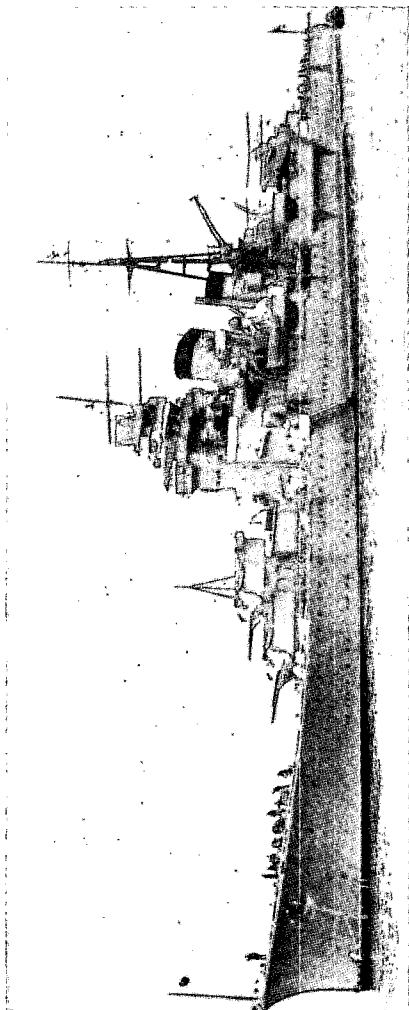
Heavy Cruisers
Atago Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Heavy Cruiser ASHIGARA.
Nachi Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Heavy Cruisers
Nachi Class
(4 ships)

NACHI
MYOKO
ASHIGARA
HAGURO

Description: Displacement: 10,000 tons (standard).
Length: 640 feet (over-all).
Beam: 62 $\frac{1}{3}$ feet.
Draft: 16.5 feet (mean).
Speed: 33 knots (maximum).

Guns: 10—8-inch.
6—4.7-inch AA.
8—47-mm AA.
8—machine guns.

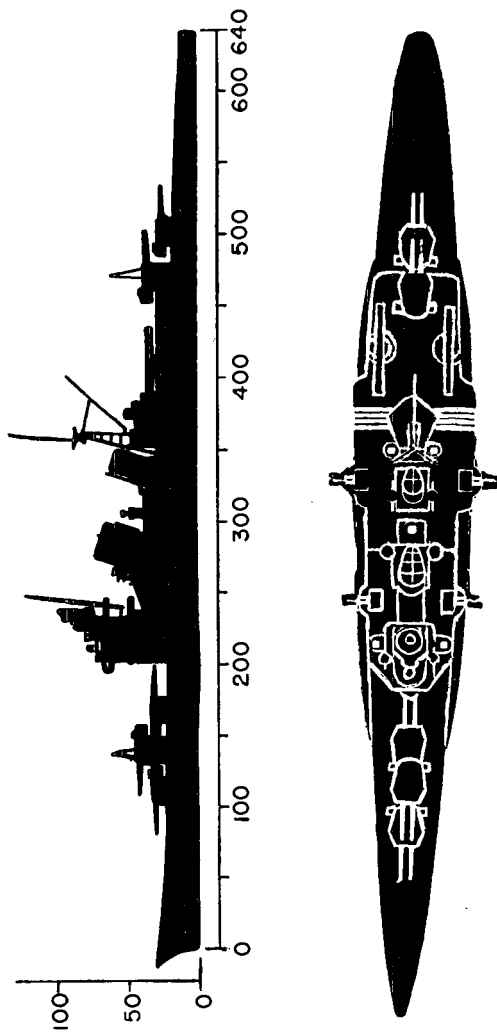
Torpedo tubes: 8—21-inch (quadrupled, above water).

Aircraft: 4.

Catapults: 2.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

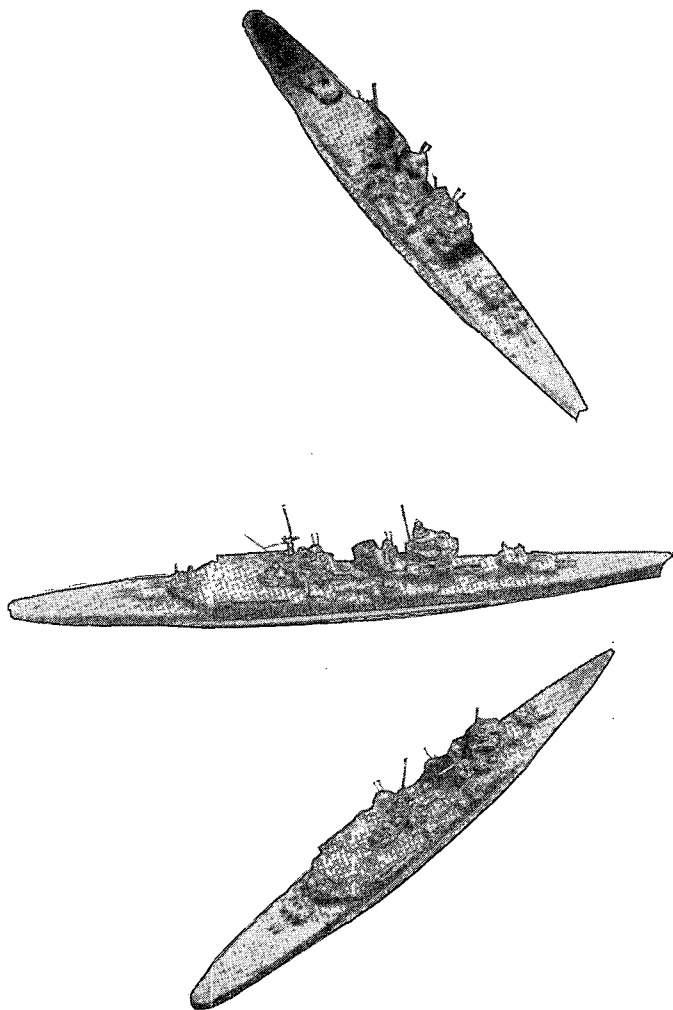


Nachi Class.

NOTE.—Torpedo tubes actually are slightly farther aft than shown in bottom silhouette.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

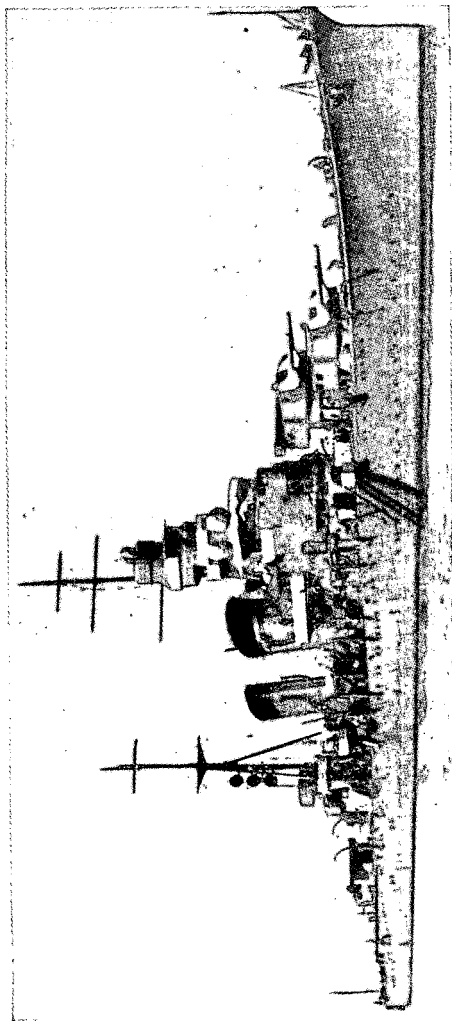
Heavy Cruisers
Nachi Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Heavy Cruiser AOBA.
Kako Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Heavy Cruisers
Kako Class
(4 ships)

KAKO
FURUTAKA
KINUGASA
AOBA

Description: Displacement: 7,100 tons (standard).
Length: 595 feet (over-all).
Beam: 50.75 feet.
Draft: 14.75 feet (mean).
Speed: 33 knots (said to be reduced by adding bulges).

Guns: 6—8-inch.
4—4.7-inch AA.
10—machine guns.

Torpedo tubes: 12—21-inch (above water).

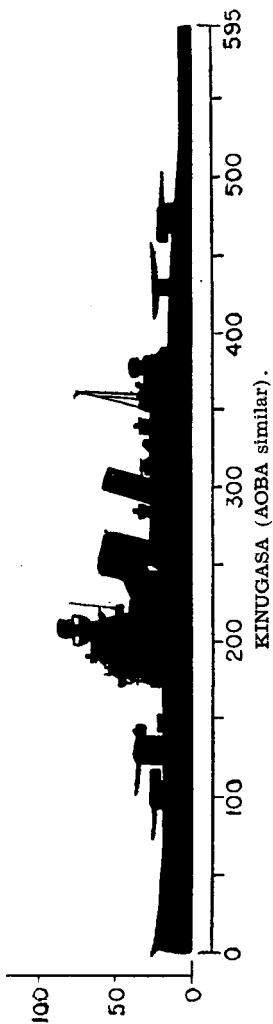
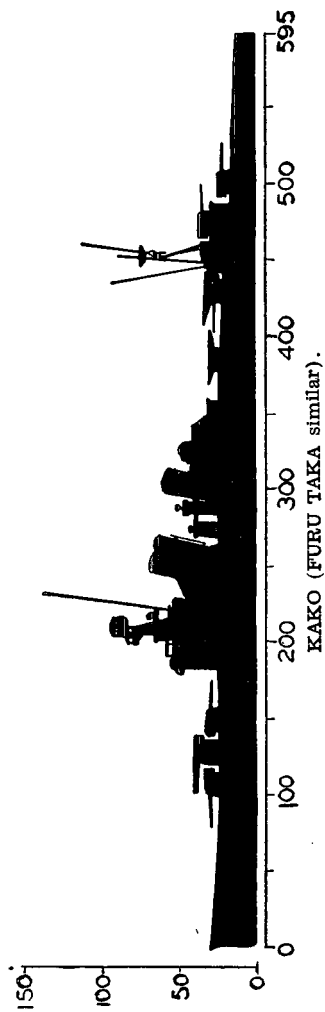
Aircraft: 2.

Catapults: 1.

NOTE.—Torpedo tubes are no longer arranged as shown in the silhouette on opposite page. See air views for changed arrangement of guns.

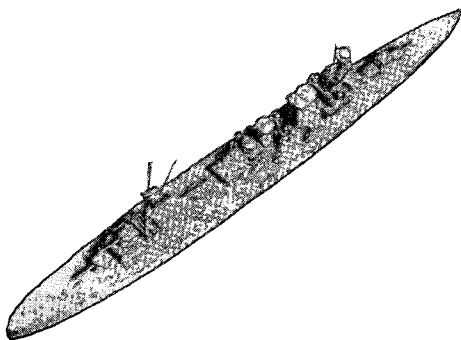
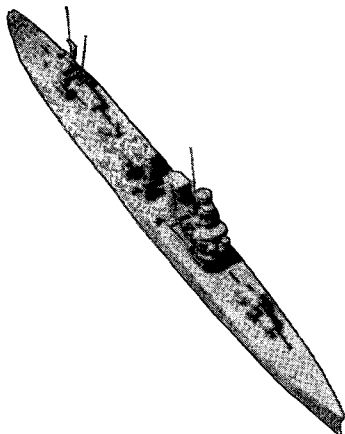
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

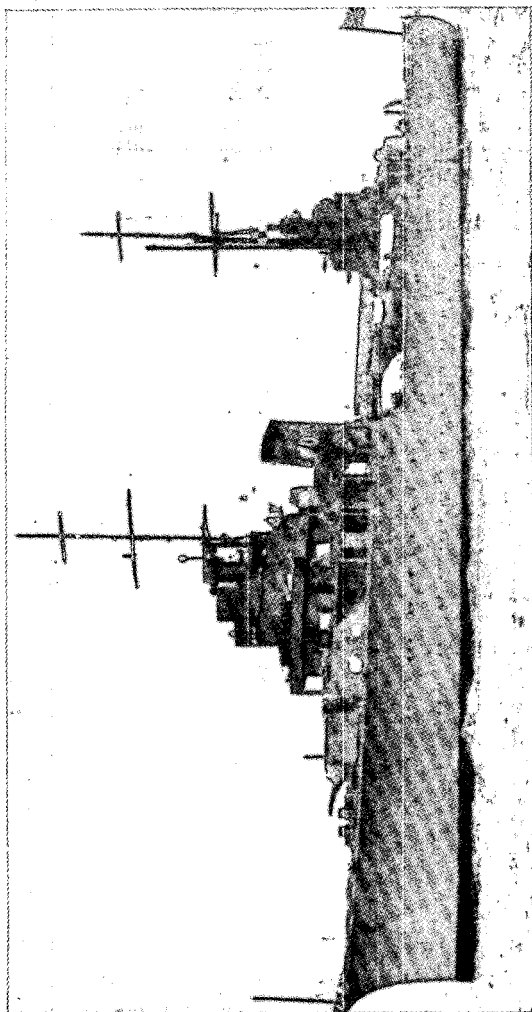
Heavy Cruisers
Kako Class
(1st 2 ships)



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



KATORI.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Katori Class
(New construction)

KATORI
KASHIMA

Description: Displacement: 5,800 tons.
Length: 425 feet.
Beam: 52 feet.
Draft: 18 feet (mean).
Speed: 18 knots.

Guns: 4—7-inch.
2—5-inch AA.
—AA machine guns.

Torpedo tubes: 8—21-inch.

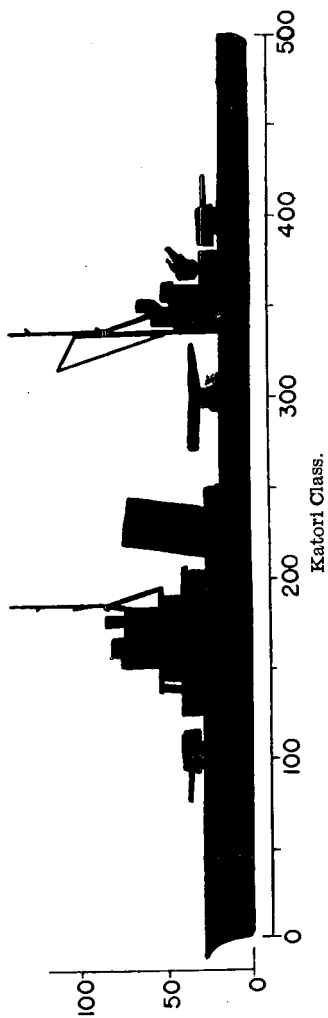
Aircraft: 1.

Catapults: 1.

NOTE.—These ships are officially rated as "Training Cruisers." Speed is too low for effective cruisers.

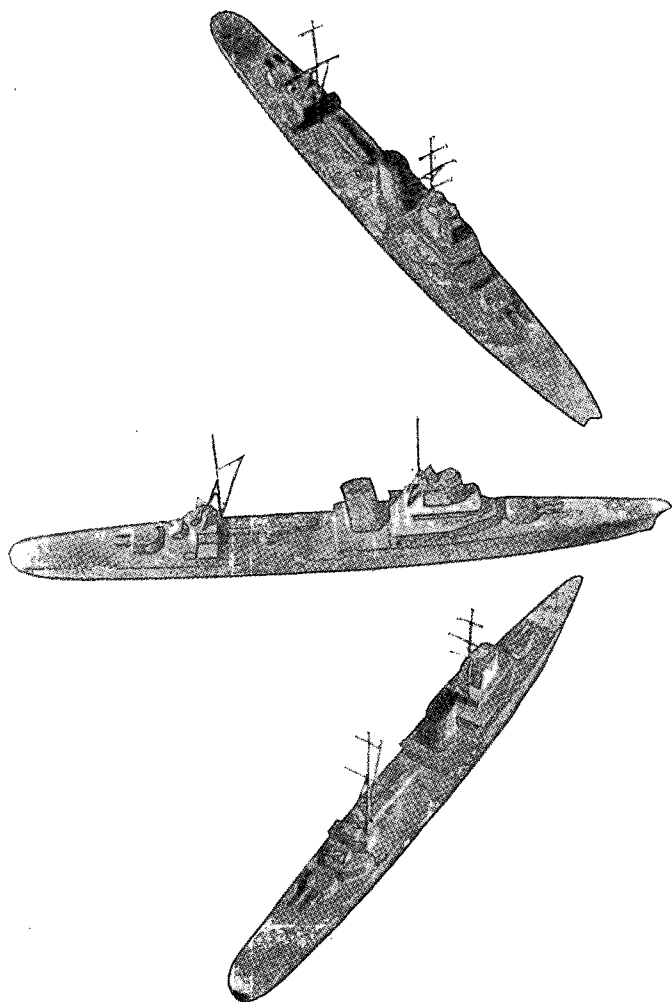
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

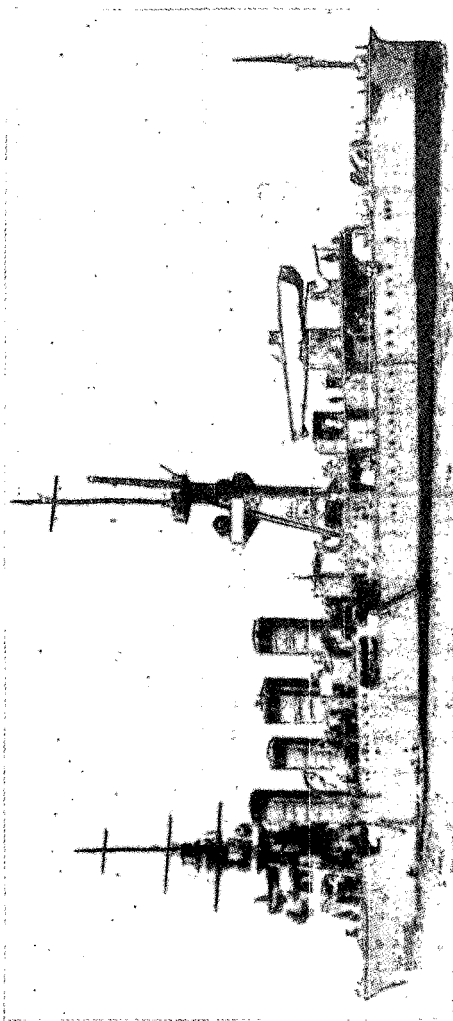
Light Cruisers
Katori Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Light Cruiser JINTSU.
Jintsu Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Jintsu Class
(3 ships)

JINTSU
SENDAI
NAKA

Description: Displacement: 5,195 tons (standard).

Length: 535 feet (over-all).

Beam: 46.75 feet.

Draft: 16 feet.

Speed: 33 knots.

Guns: 7—5.5-inch.

2—3-inch AA.

6—machine guns.

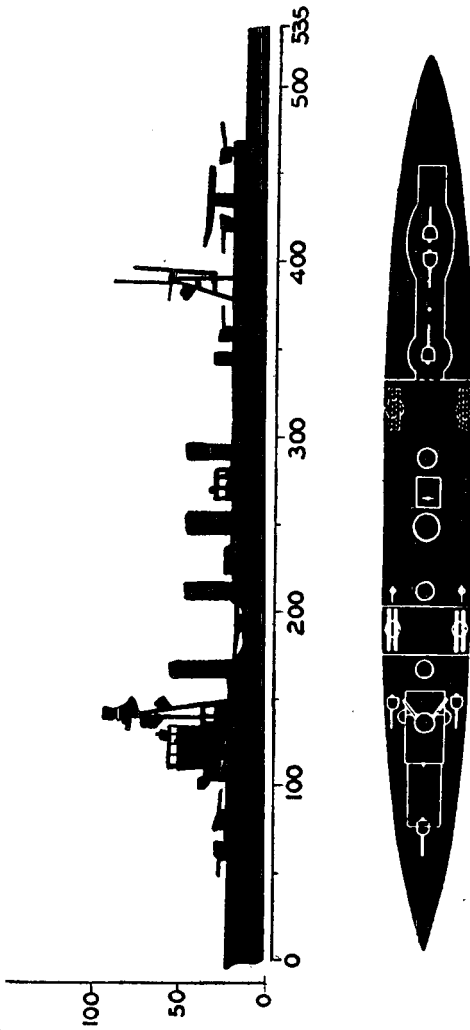
Torpedo tubes: 8—21-inch (above water).

Aircraft: 1.

Catapult: 1.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

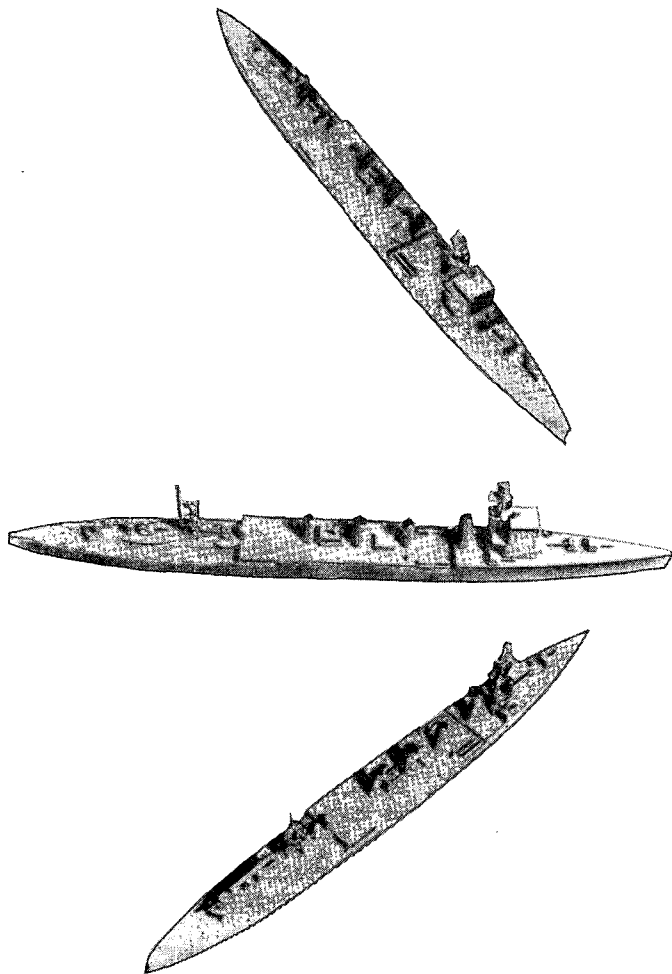


Jintsu Class.

NOTE.—Actually catapult in position shown in top silhouette.

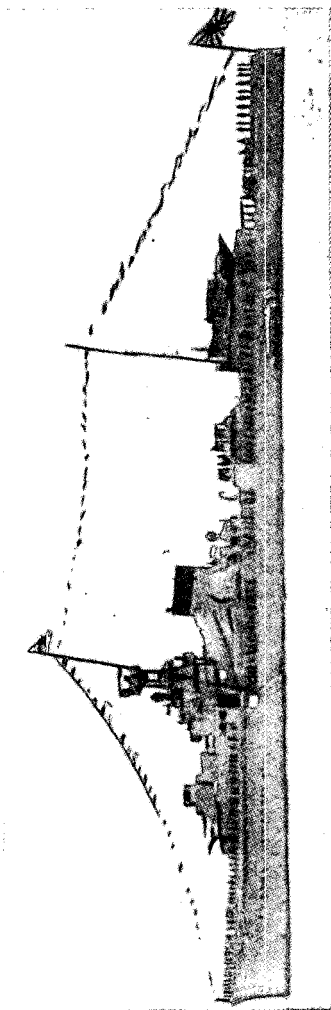
IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Jintsu Class



Air views.

JAPANESE
NAVY



Light Cruiser YUBARI.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruiser
YUBARI

YUBARI

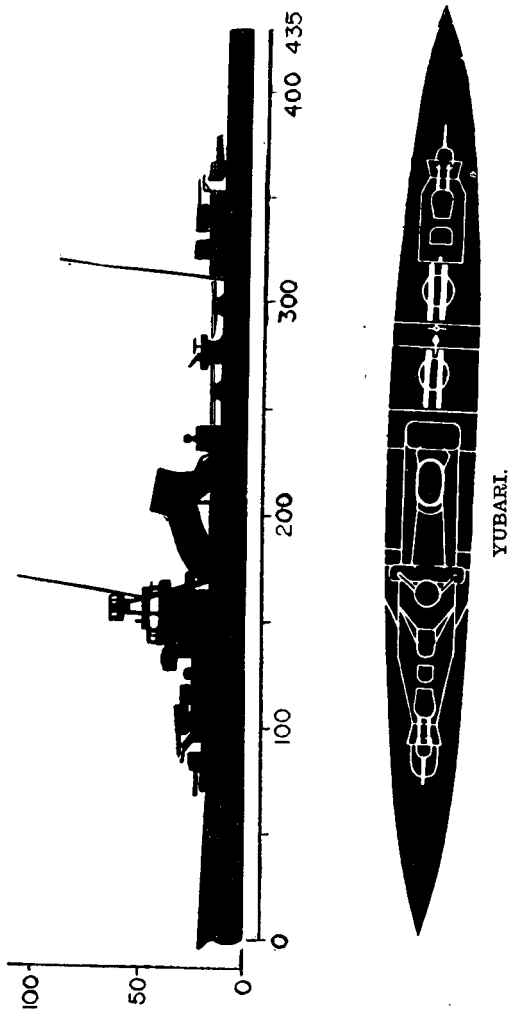
Description: Displacement: 2,890 tons (standard).
Length: 435 feet (between perpendiculars).
Beam: 39.5 feet.
Draft: 11.75 feet.
Speed: 33 knots.

Guns: 6—5.5-inch.
1—3-inch AA.
2—machine guns.

Torpedo tubes: 4—21-inch (above water).

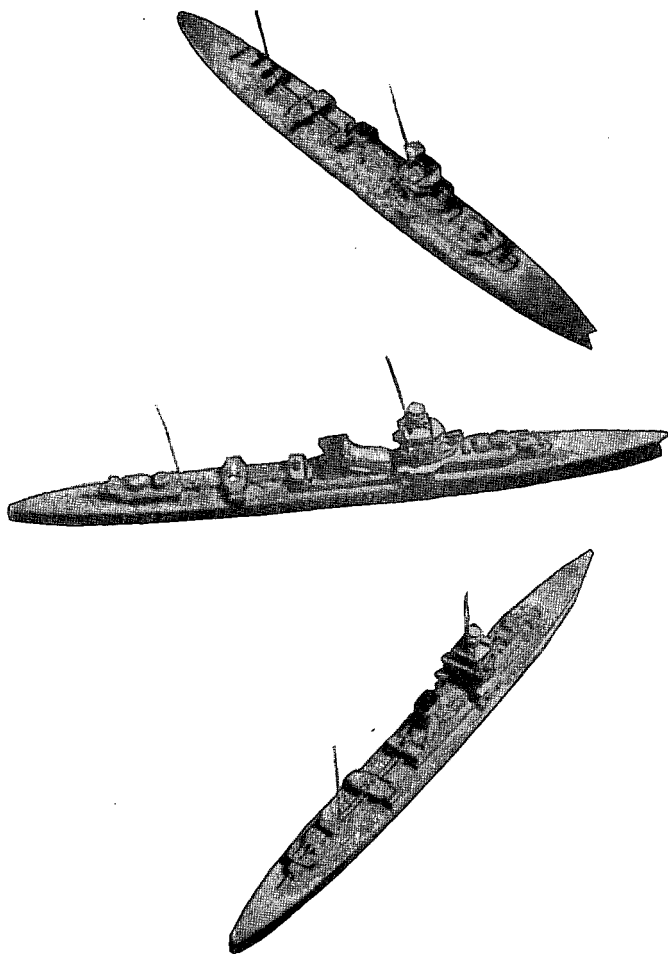
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

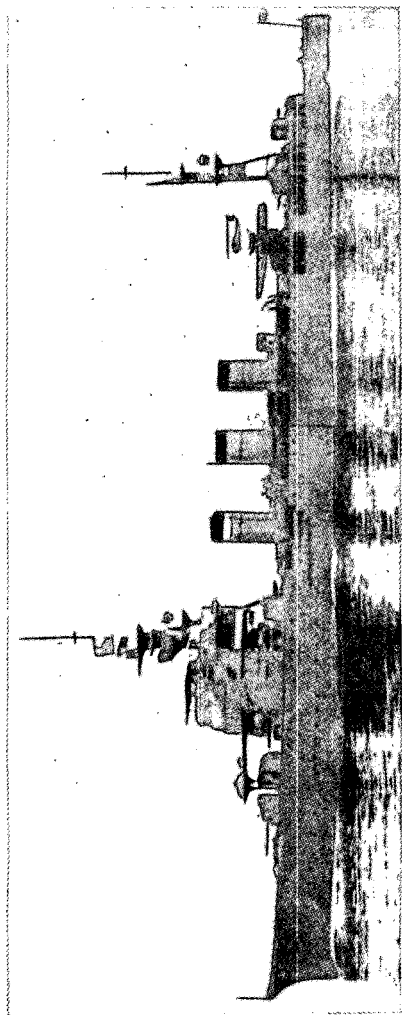
Light Cruiser
YUBARI



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Light Cruiser NATORI.
Natori Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Natori Class
(6 ships)

NAGARA
NATORI
KINU
YURA
ISUZU
ABUKUMA

Description: Displacement: 5,170 tons (standard).
Length: 535 feet (over-all).
Beam: 46.75 feet.
Draft: 16 feet.
Speed: 33 knots.

Guns: 7—5.5-inch.
2—3-inch AA.
2—machine guns.

Torpedo tubes: 8—21-inch (above water).

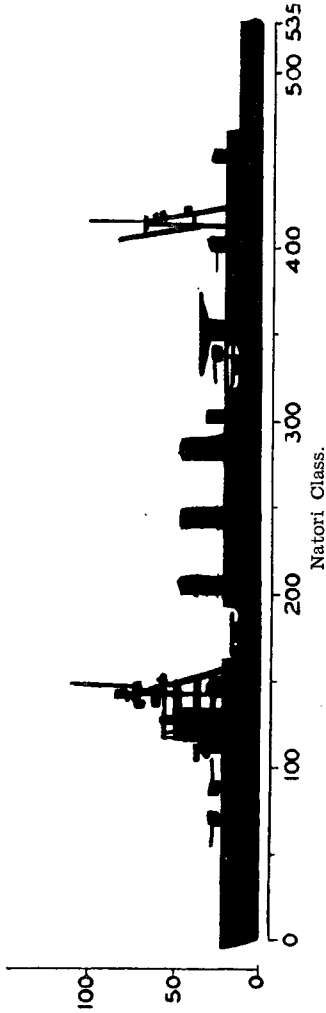
Aircraft: 1.

Catapults: 1.

APPEARANCE NOTE.—Design similar to Kuma Class.

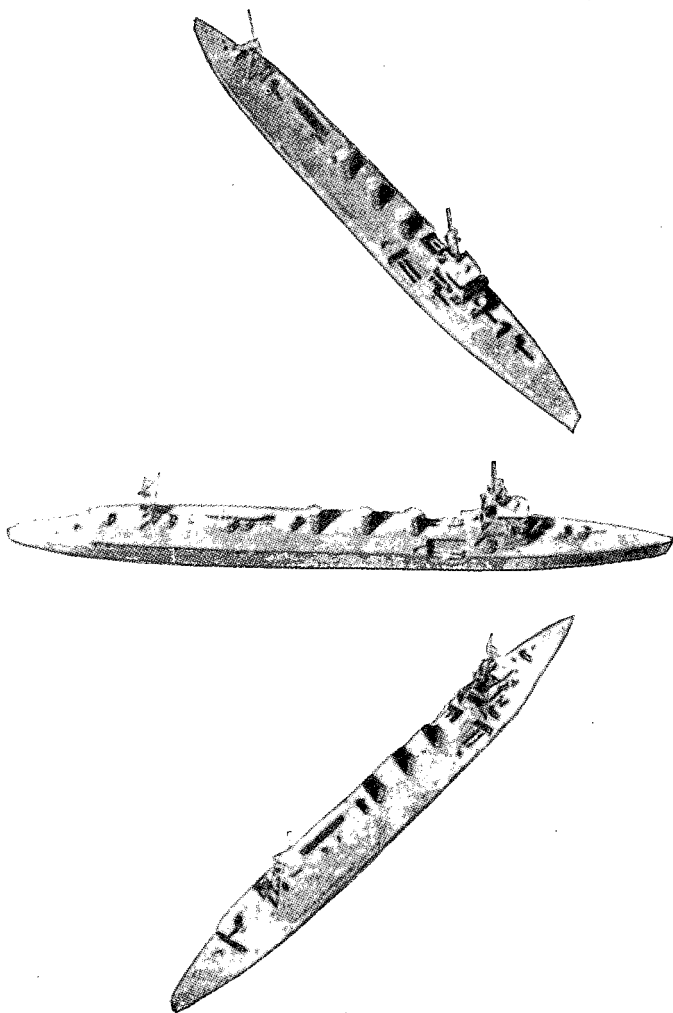
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



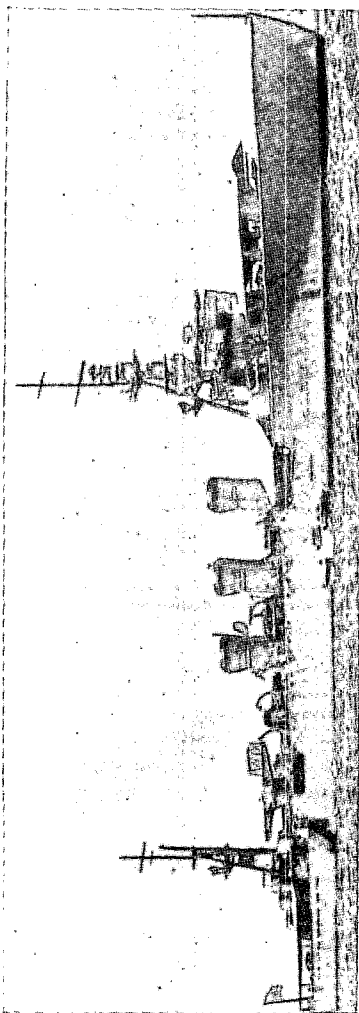
IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Natori Class



Air views.

JAPANESE
NAVY



Light Cruiser KUMA.
Kuma Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Kuma Class
(5 ships)

KUMA
TAMA
KITAGAMI
KISO
OI

Description: Displacement: 5,100 tons (standard).
Length: 535 feet (over-all).
Beam: 46.75 feet.
Draft: 15.75 feet (mean).
Speed: 33 knots.

Guns: 7—5.5-inch.
2—3-inch.
2—machine guns.

Torpedo tubes: 8—21-inch (above water).

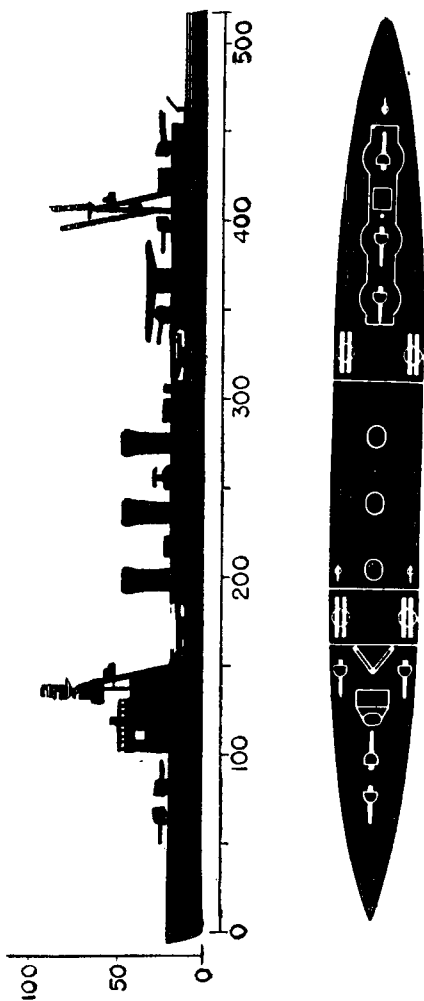
Aircraft: 1.

Catapults: 1.

APPEARANCE NOTE.—Design similar to Natori Class.

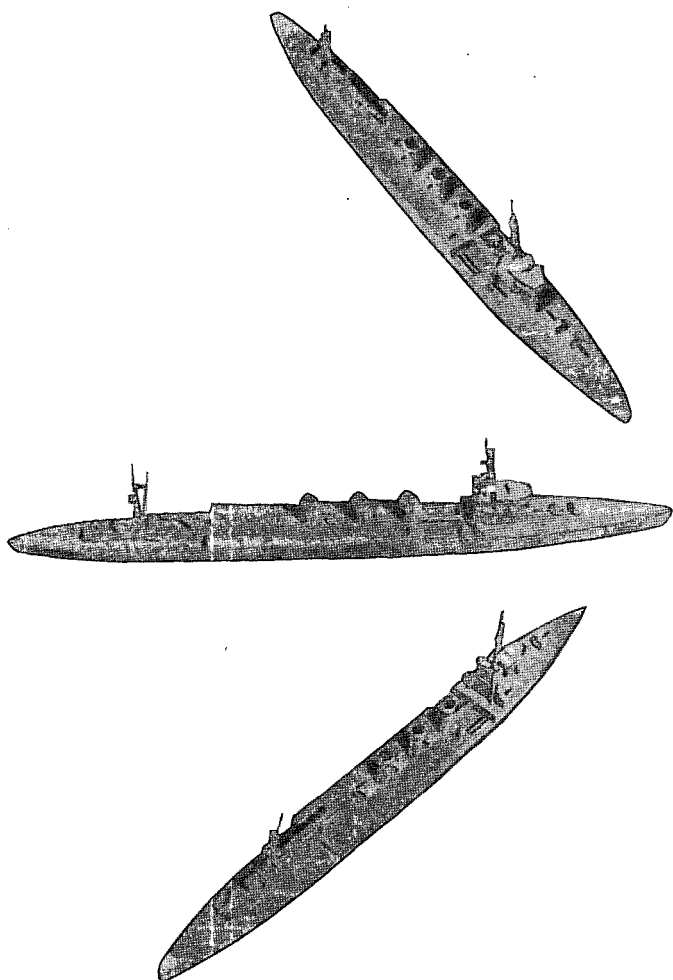
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



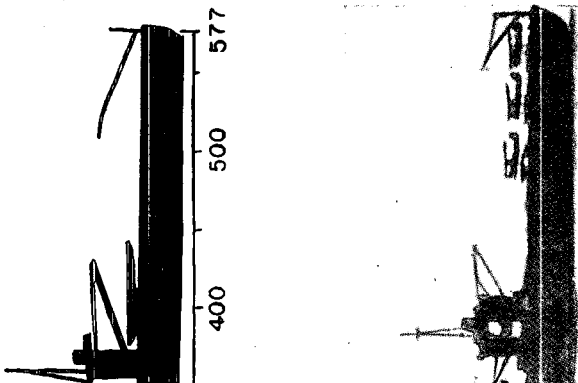
Kuma Class.

Light Cruisers
Kuma Class



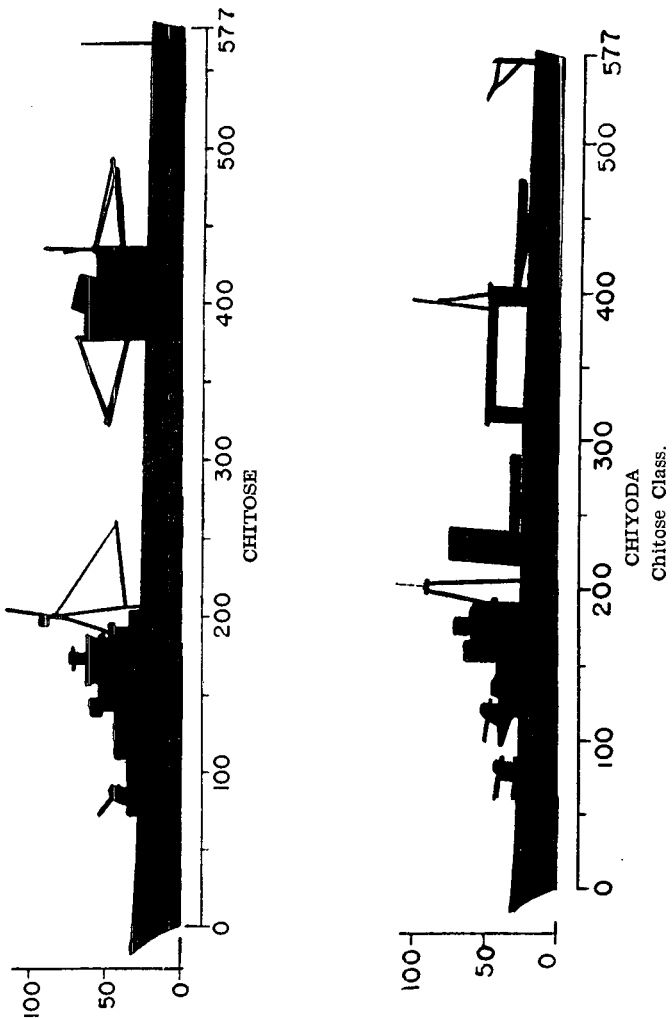
Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS
 JAPANESE
 NAVY



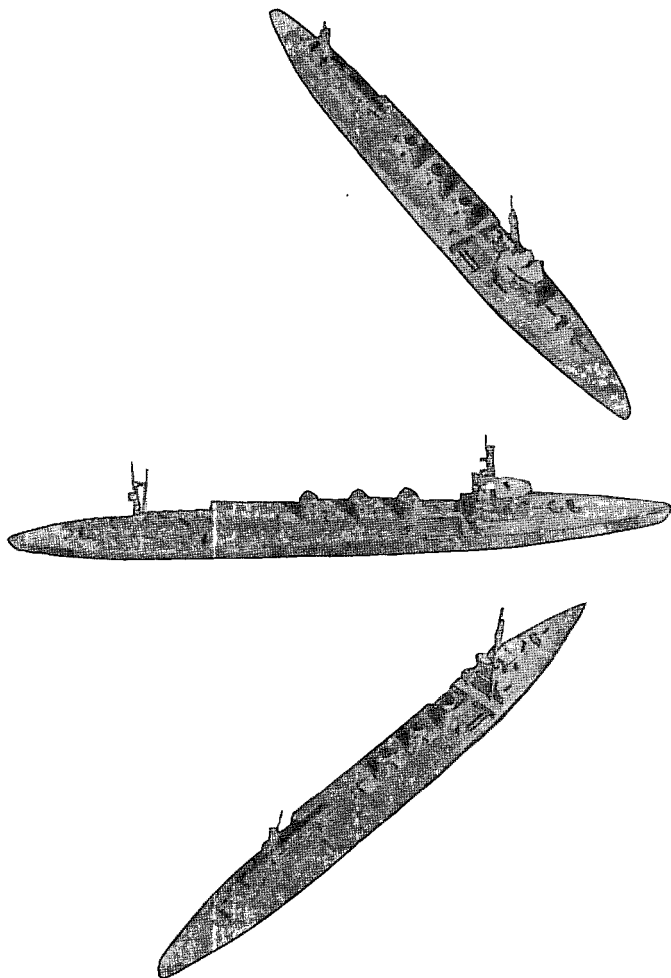
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
 NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

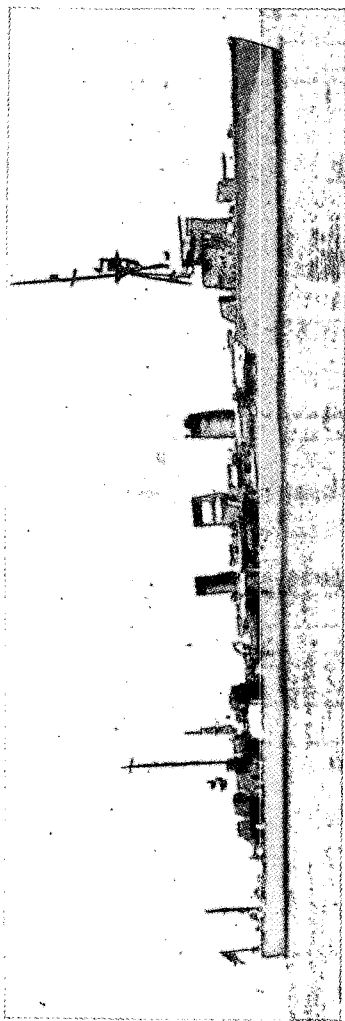
Light Cruisers
Kuma Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Light Cruiser TENRYU.
Tenryu Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Tenryu Class
(2 ships)

TENRYU
TATSUTA

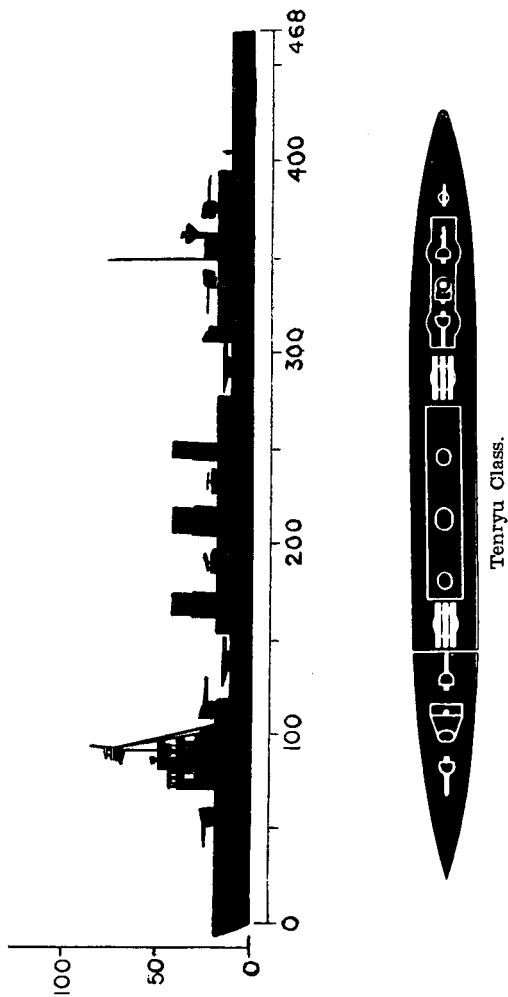
Description: Displacement: 3,230 tons (standard).
Length: 468 feet (over-all).
Beam: 40.75 feet.
Draft: 13 feet (mean).
Speed: 31 knots.

Guns: 4—5.5-inch.
1—3-inch AA.
2—machine guns.

Torpedo tubes: 6—21-inch (above water).

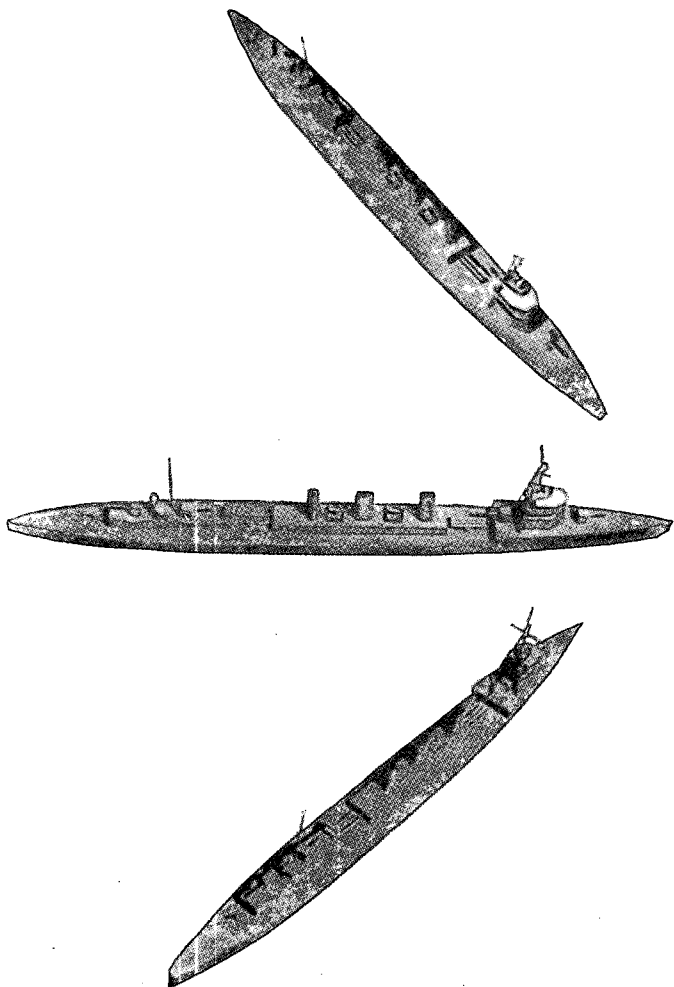
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



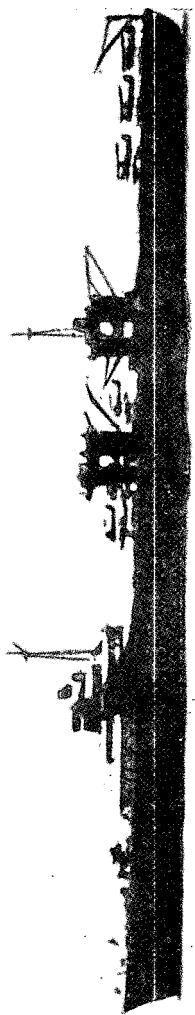
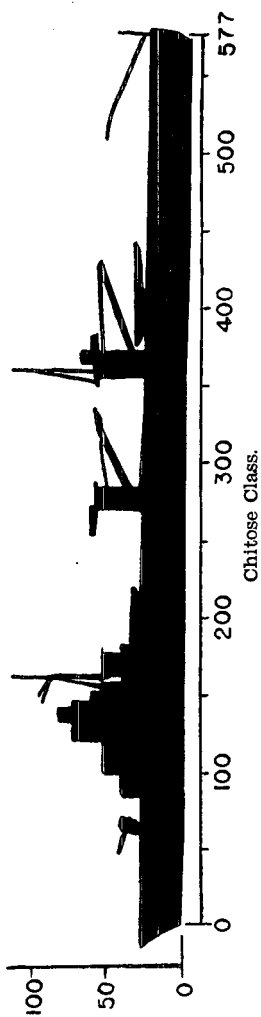
IDENTIFICATION OF JAPANESE NAVAL VESSELS

Light Cruisers
Tenryu Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS
JAPANESE
NAVY



Seaplane Tender MIZUHO.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Seaplane Tenders
Chitose Class
(3 ships)

CHITOSE
CHIYODA
MIZUHO

Description: Displacement: 9,000 tons (standard).

Length: 577.5 feet.

Beam: $61\frac{2}{3}$ feet.

Draft: 19 feet (mean).

Speed: 20 knots (MIZUHO, 17 knots).

Guns: 4—5-inch (dual purpose).

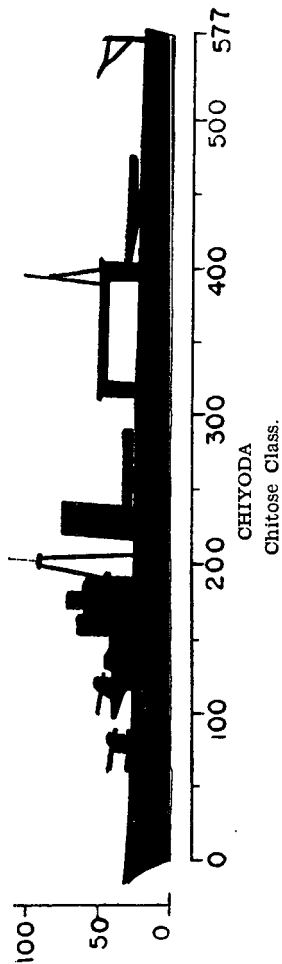
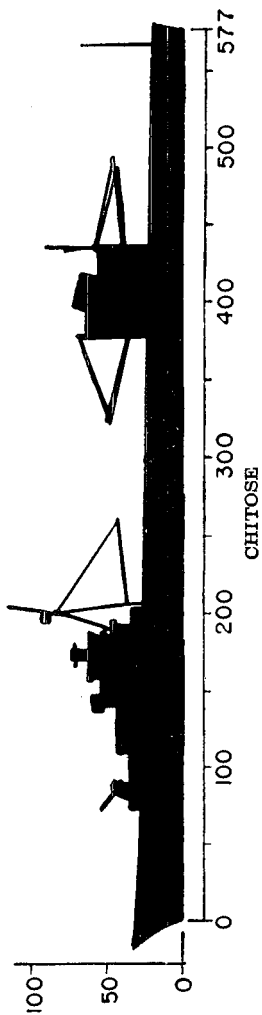
(6—5-inch AA in MIZUHO.)

Aircraft: 14.

Catapults: 4.

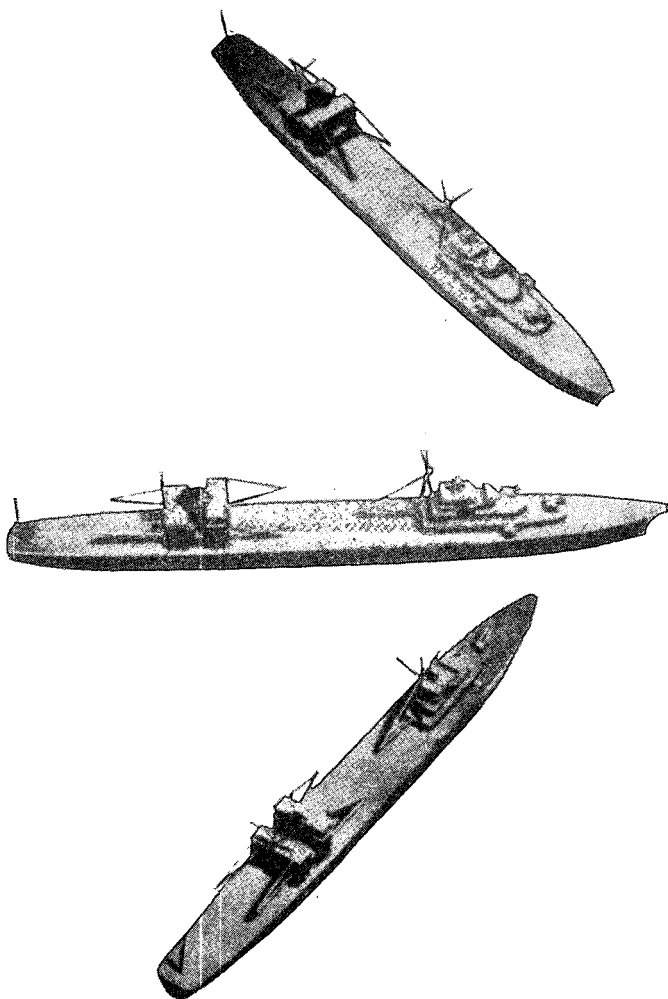
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

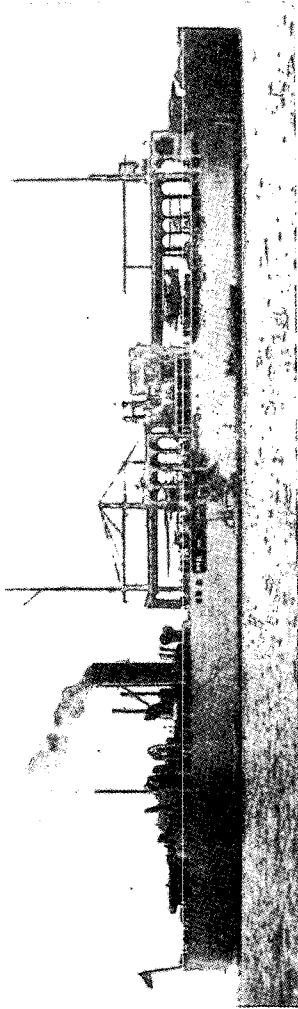
Seaplane Tenders
CHITOSE



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Seaplane Tender KAMOI.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Seaplane Tender

KAMOI

Description: Displacement: 17,000 tons (standard).

Length: 496 feet (water line).

Beam: 67 feet.

Draft: $27\frac{2}{3}$ feet.

Speed: 15 knots.

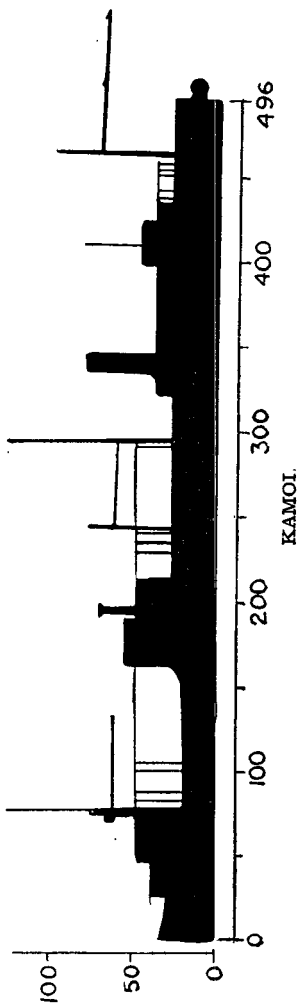
Guns: 2—5.5-inch.

2—3-inch AA.

Aircraft: 10 to 16.

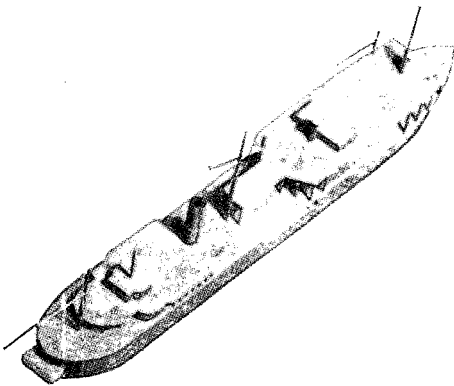
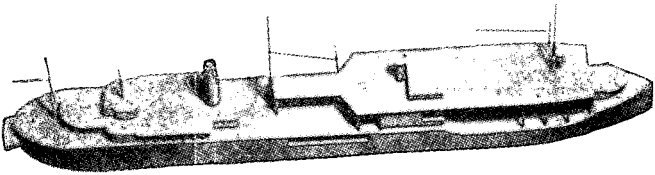
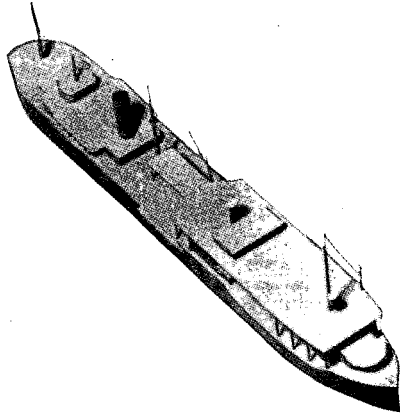
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

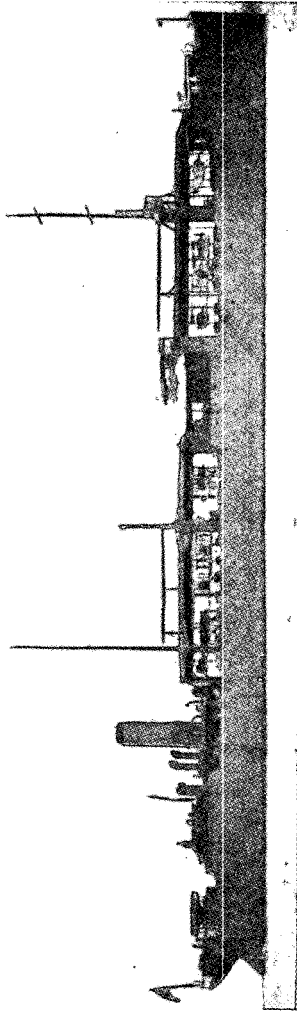
Seaplane Tender
KAMOI



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Seaplane Tender NOTORO.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Seaplane Tender

NOTORO

Description: Displacement: 14,050 tons (standard).

Length: 470 $\frac{3}{4}$ feet (over-all).

Beam: 58 feet.

Draft: 26.5 feet.

Speed: 12 knots.

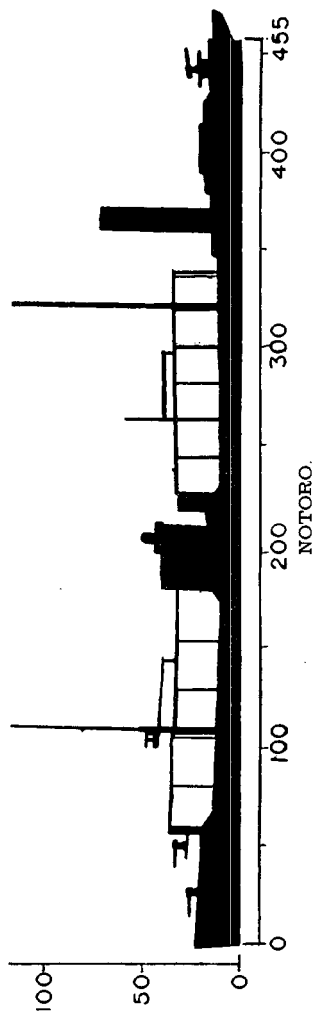
Guns: 2—4.7-inch.

2—3-inch AA.

Aircraft: 8 to 16.

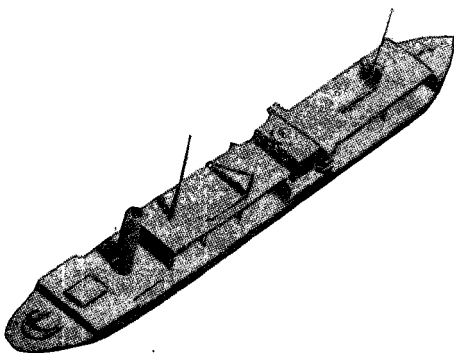
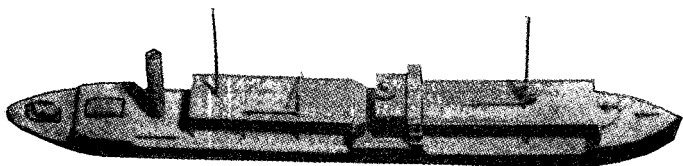
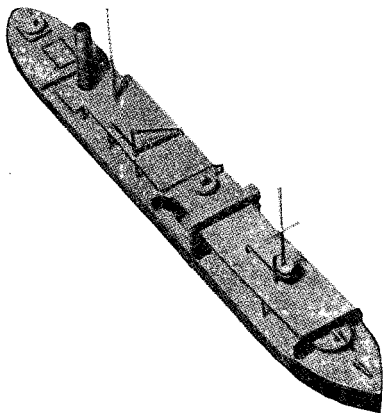
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

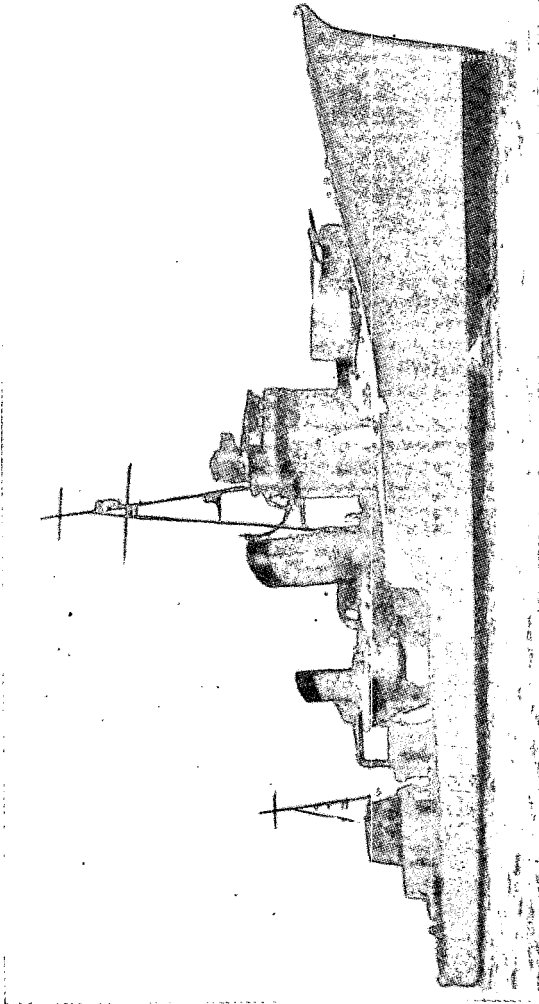
Seaplane Tender
NOTORO



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer ASAGUMO.
Asashio Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Asashio Class
(21 ships)

| | | |
|-----------|-----------|-------------|
| ASASHIO | NATSUGUMO | HATSUKAZE |
| ARASHIO | KASUMI | NATSUSHIO |
| OSHIO | ARARE | YUKIKAZE |
| MICHISHIO | KAGERO | ISOKAZE |
| ASAGUMO | SHIRANUHI | HAYASHIO |
| YAMAGUMO | KUROSHIO | AMATSUKAZE |
| MINEGUMO | OYASHIO | TOKITSUKAZE |

Description: Displacement: 1,500 tons.

Length: 356 feet.

Beam: 33 feet.

Draft: 9 feet.

Speed: 34 knots.

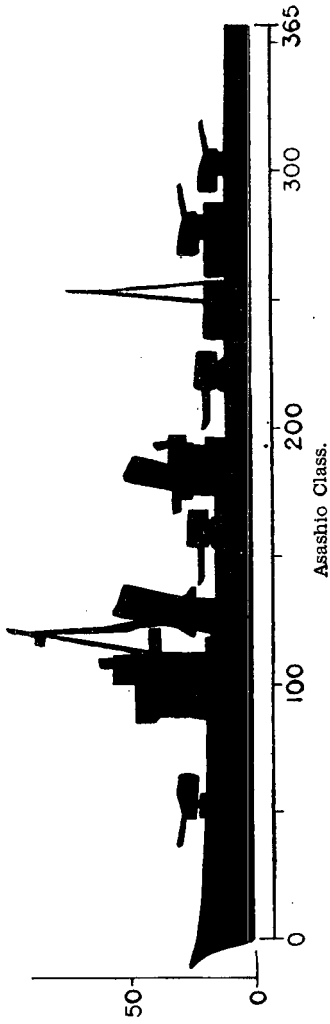
Guns: 6—5-inch dual purpose (paired).

2—AA machine guns.

Torpedo tubes: 8—21-inch (quadrupled).

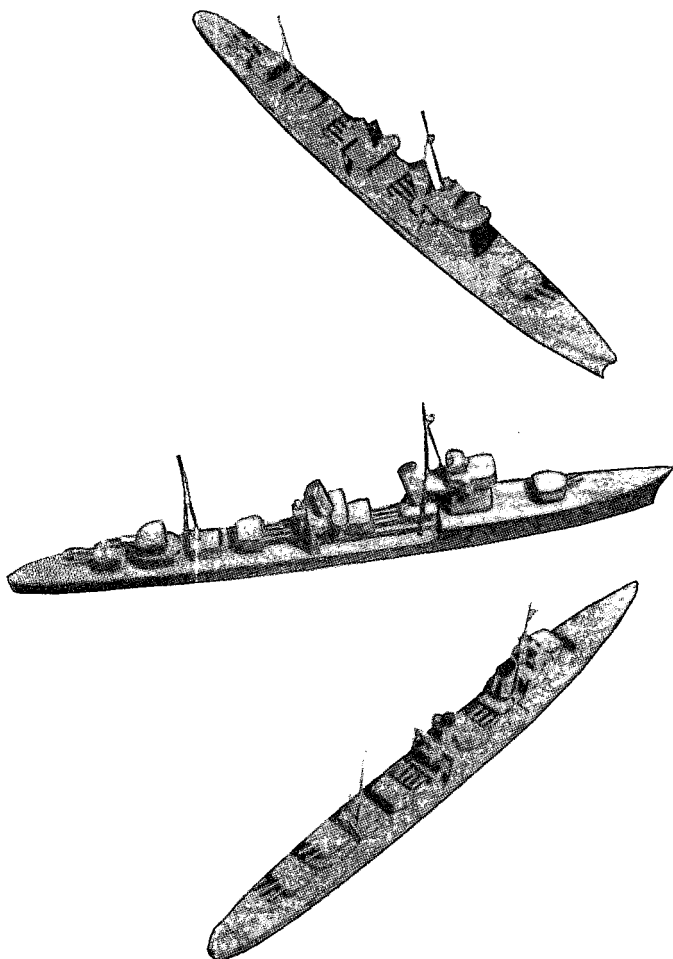
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

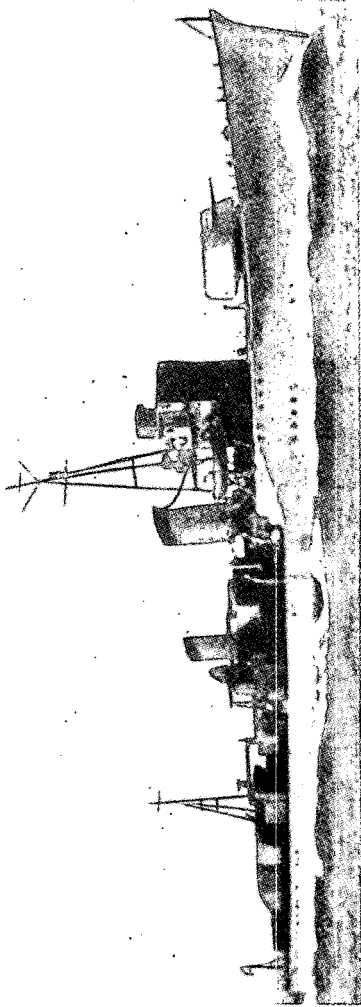
Destroyers
Asashio Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer SAMIDARE.
Shigure Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Shigure Class
(10 ships)

SHIGURE
SHIRATSUYU
MURASAME
YUDACHI
HARUSAME
SAMIDARE
YAMAKAZE
SUZUKAZE
KAWAKAZE
UMIKAZE

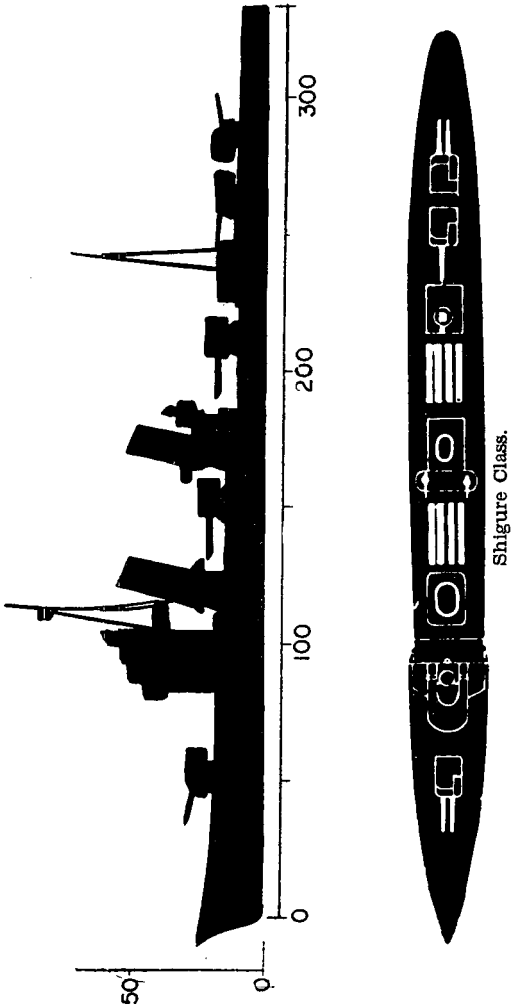
Description: Displacement: 1,368 tons.
Length: 335.5 feet.
Beam: 31.75 feet.
Draft: 9.25 feet (mean).
Speed: 34 knots.

Guns: 5—5-inch dual purpose.
2—AA machine guns.

Torpedo tubes: 8—21-inch (quadrupled).

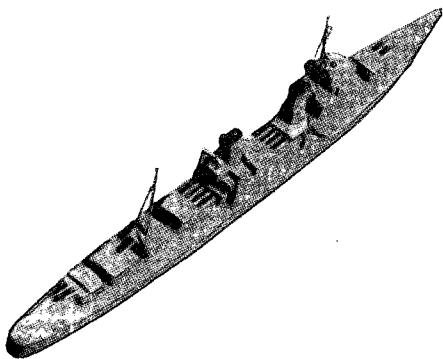
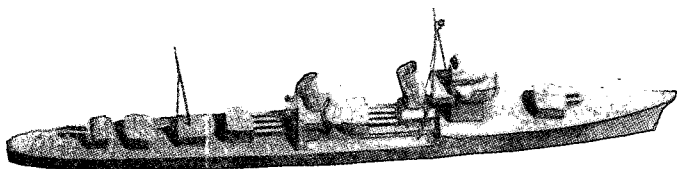
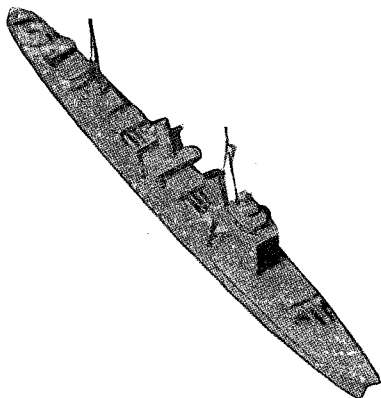
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

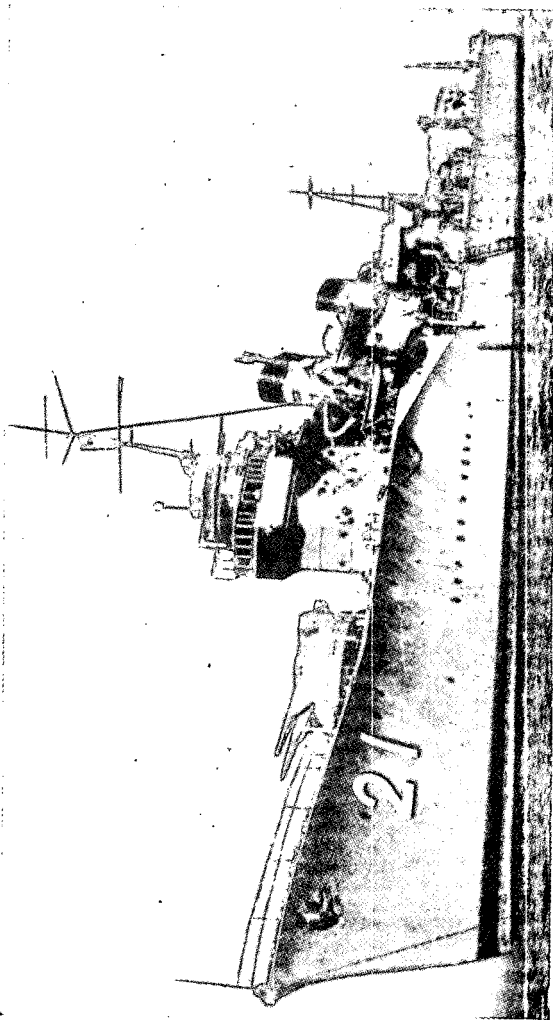
Destroyers
Shigure Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer HATSUSHIMO.
Hatsuharu Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Hatsuharu Class
(6 ships)

HATSUHARU
NENOHI
HATSUSHIMO
WAKABA
ARIAKE
YUGURE

Description: Displacement: 1,368 tons.

Length: 338 feet.

Beam: 33 feet.

Draft: $8\frac{3}{4}$ feet (mean).

Speed: 34 knots.

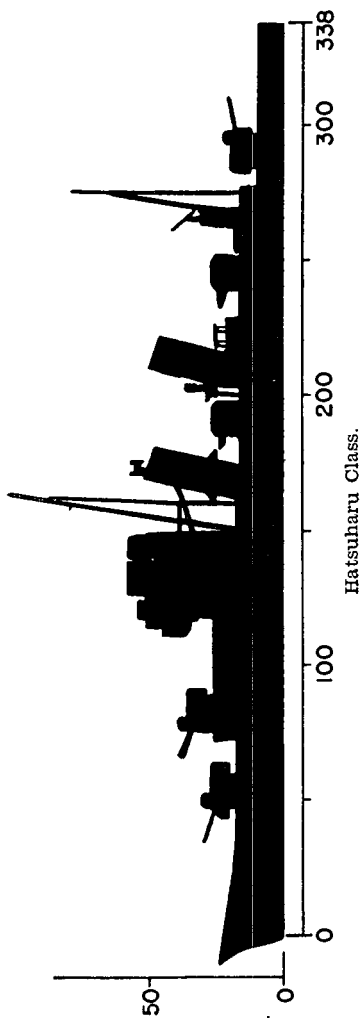
Guns: 5—5-inch dual purpose.

2—AA machine guns.

Torpedo tubes: 6—21-inch.

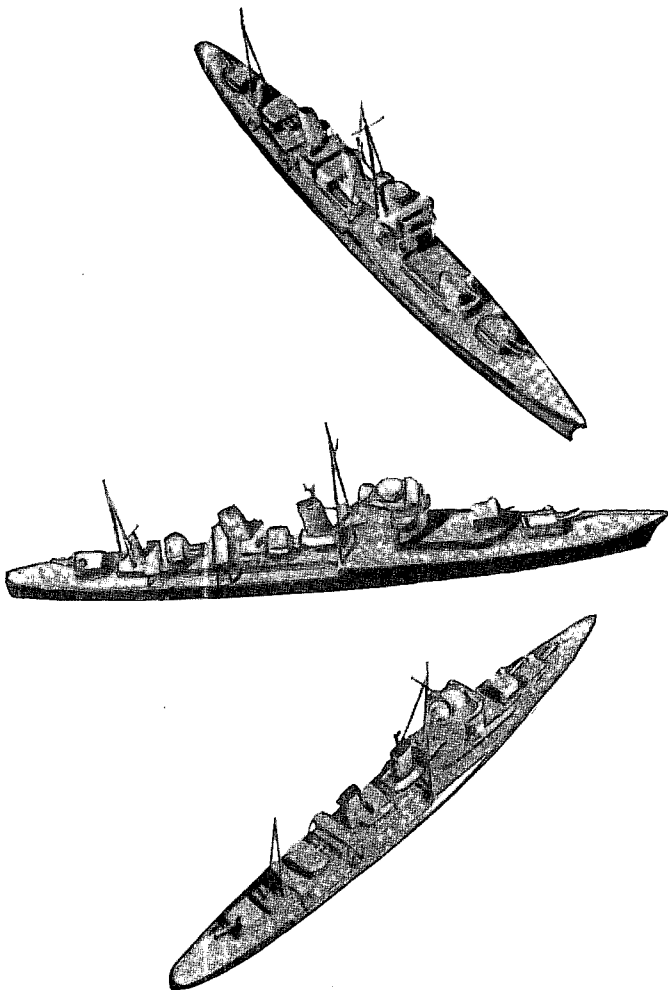
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

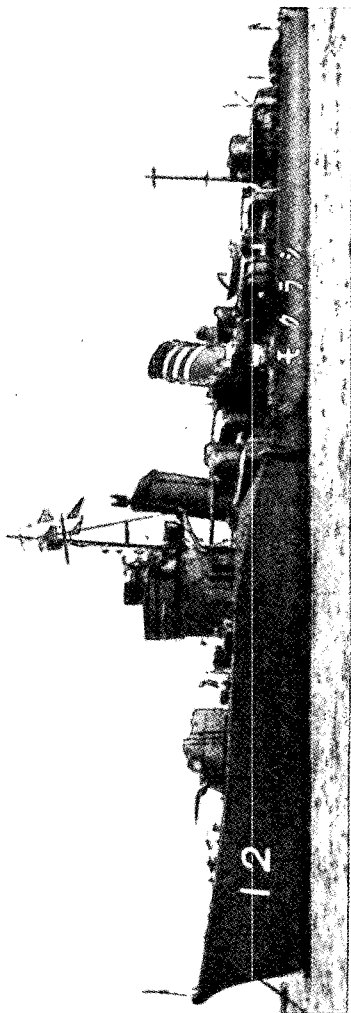
Destroyers
Hatsuharu Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer SHIRAKUMO.
Shinonome Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Shinonome Class
(8 ships)

SHINONOME
FUBUKI
SHIRAYUKI
USUGUMO
SHIRAKUMO
ISONAMI
HATSUYUKI
MURAKUMO

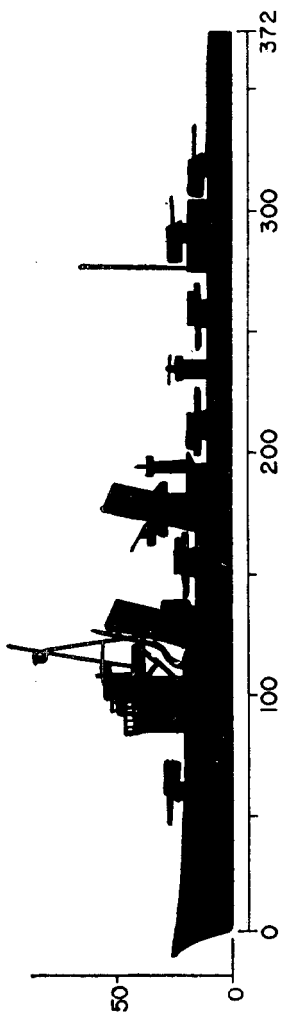
Description: Displacement: 1,700 tons.
Length: 371.5 feet.
Beam: 33.75 feet.
Draft: 9.75 feet (mean)
Speed: 34 knots.

Guns: 6—5-inch.
2—AA machine guns.
Torpedo tubes: 9—21-inch.

APPEARANCE NOTE.—Similar in design to Amagiri and Hibiki Classes.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

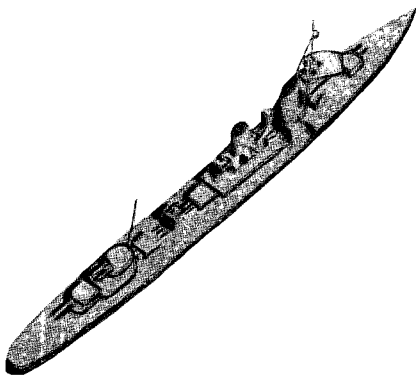
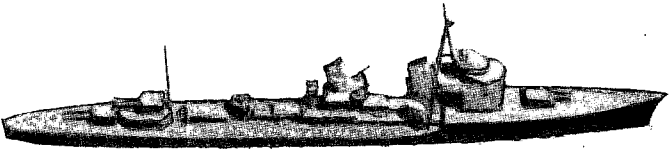
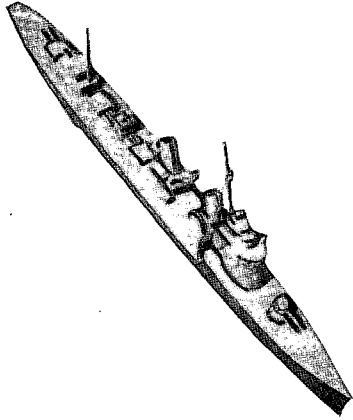
JAPANESE
NAVY



Shinonome Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

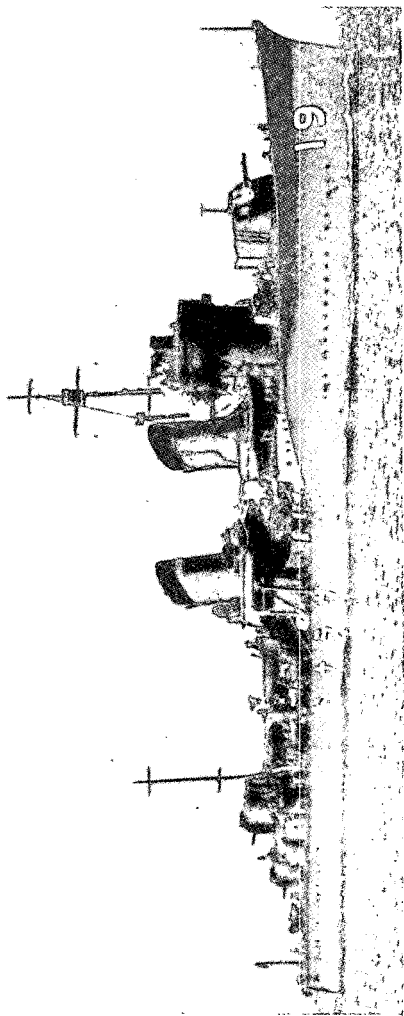
Destroyers
Shinonome Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer URANAMI.
Amagiri Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Amagiri Class
(11 ships)

| | |
|-----------|----------|
| AMAGIRI | SAGIRI |
| URANAMI | USHIO |
| SHIKINAMI | OBORO |
| AYANAMI | AKEBONO |
| ASAGIRI | SAZANAMI |
| YUGIRI | |

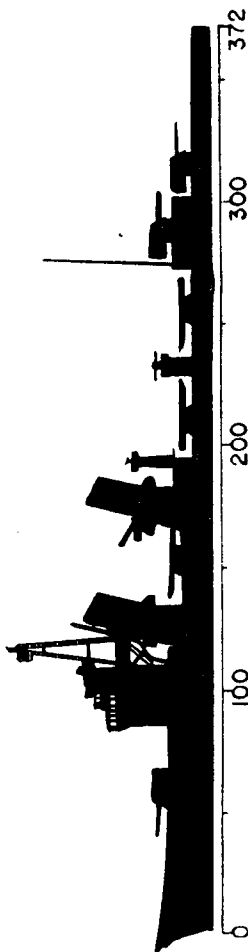
Description: Displacement: 1,700 tons.
Length: 371.5 feet.
Beam: 33.75 feet.
Draft: 9.75 feet (mean).
Speed: 34 knots.

Guns: 6—5-inch.
2—AA machine guns.
Torpedo tubes: 9—21-inch.

APPEARANCE NOTE.—Similar in design to Shinonome and Hibiki Classes.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

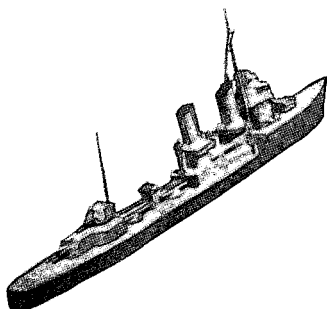
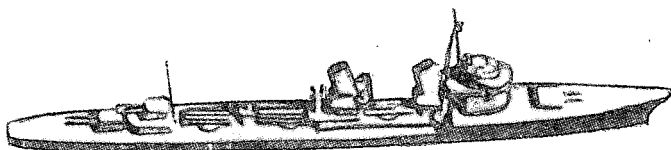
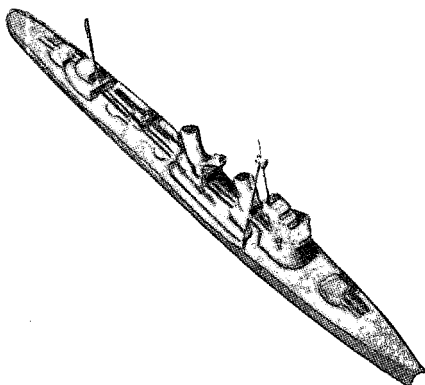
JAPANESE
NAVY



Amagiri Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

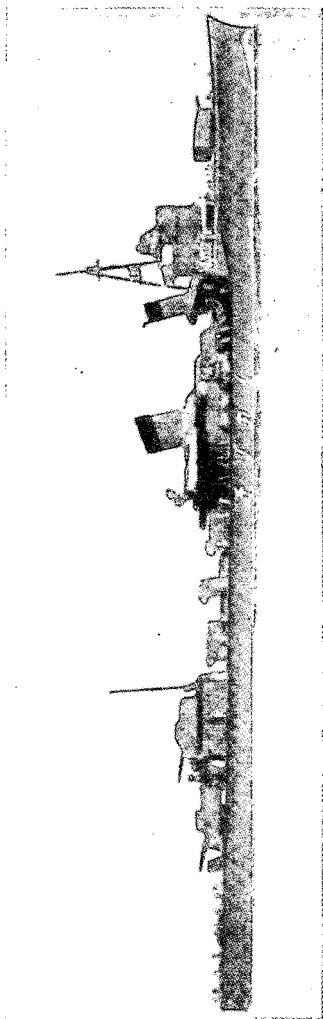
Destroyers
Amagiri Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer IKAZUCHI.
Hibiiki Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Hibiki Class
(4 ships)

HIBIKI
AKATSUKI
IKAZUCHI
INAZUMA

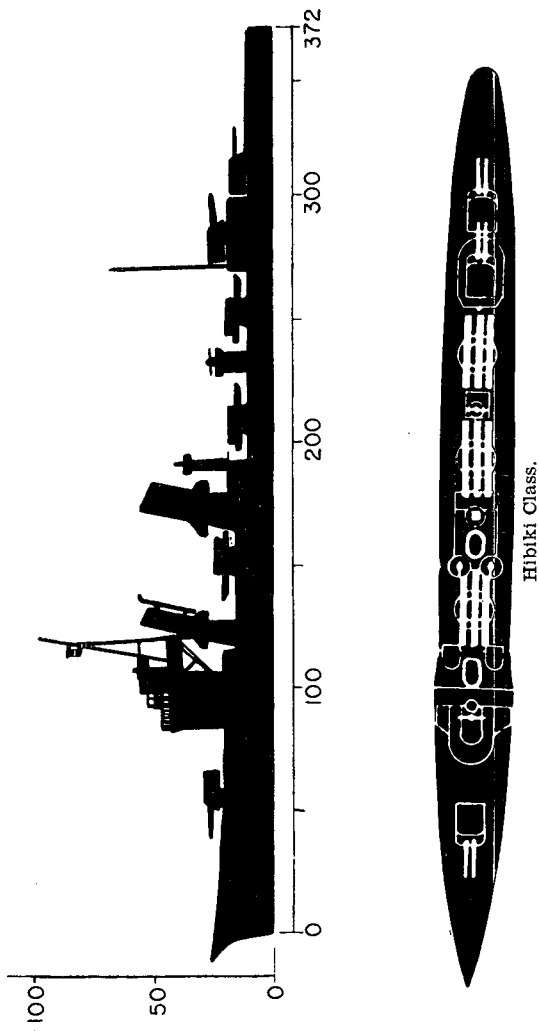
Description: Displacement: 1,700 tons.
Length: 371.5 feet.
Beam: 33.75 feet.
Draft: 9.75 feet (mean).
Speed: 34 knots.

Guns: 6—5-inch.
2—AA machine guns.
Torpedo tubes: 9—21-inch.

APPEARANCE NOTE.—Similar in design to Shinonome and Amagiri Classes.

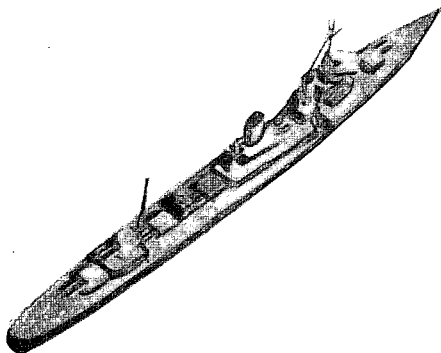
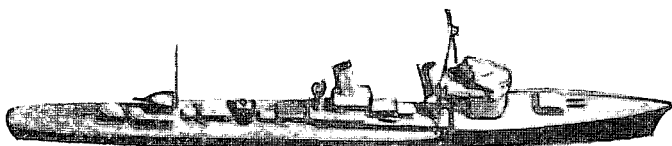
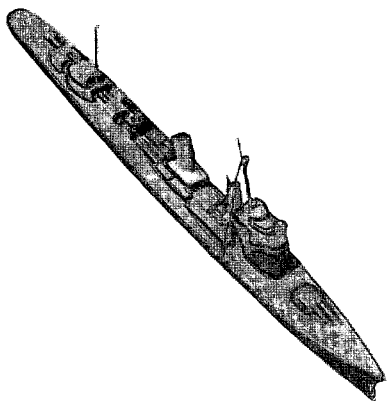
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

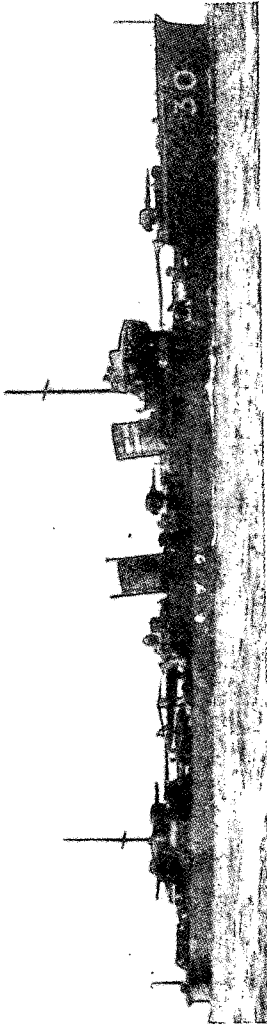
Destroyers
Hibiki Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer UZUKI.
Mutsuki Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Mutsuki Class
(12 ships)

| | |
|-----------|------------|
| MUTSUKI | MINATSUKI |
| KISARAGI | NAGATSUKI |
| SATSUKI | MIKATSUKI |
| YAYOI | MOCHITSUKI |
| FUMITSUKI | YUZUKI |
| KIKUTSUKI | UZUKI |

Description: Displacement: 1,315 tons.
Length: 320 feet (between perpendiculars).
Beam: 30 feet.
Draft: $9\frac{5}{6}$ feet (maximum).
Speed: 34 knots.

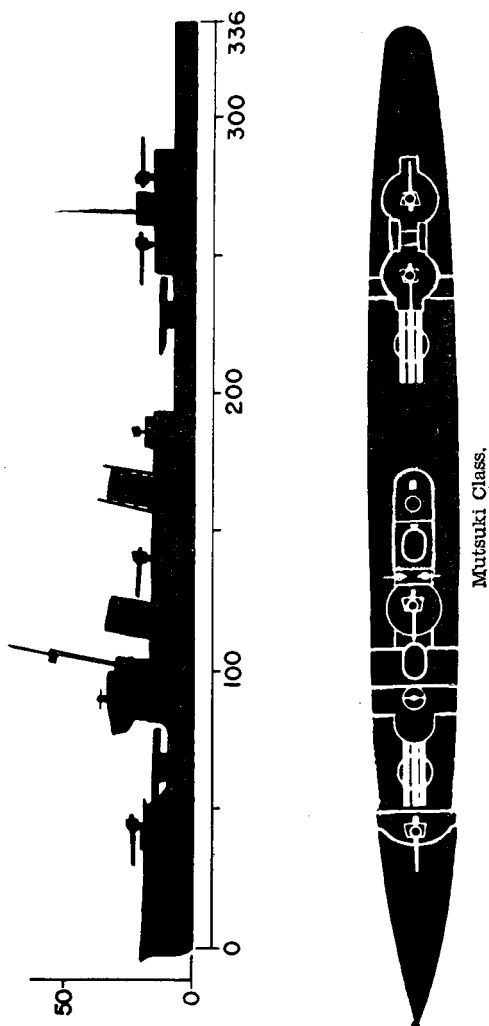
Guns: 4—4.7-inch.

2—AA machine guns.

Torpedo tubes: 6—21-inch (tripled).

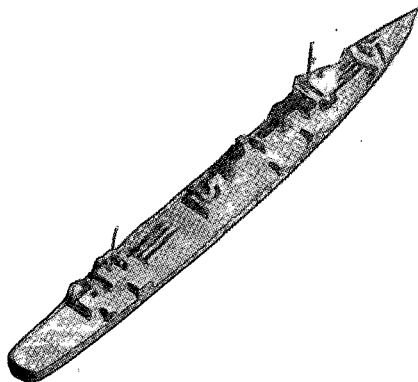
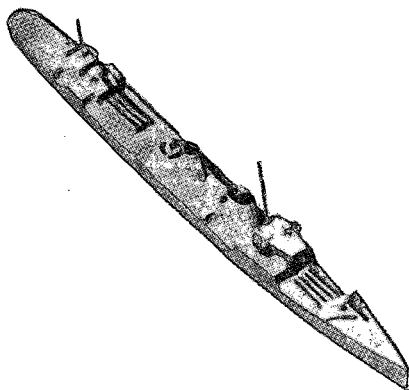
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

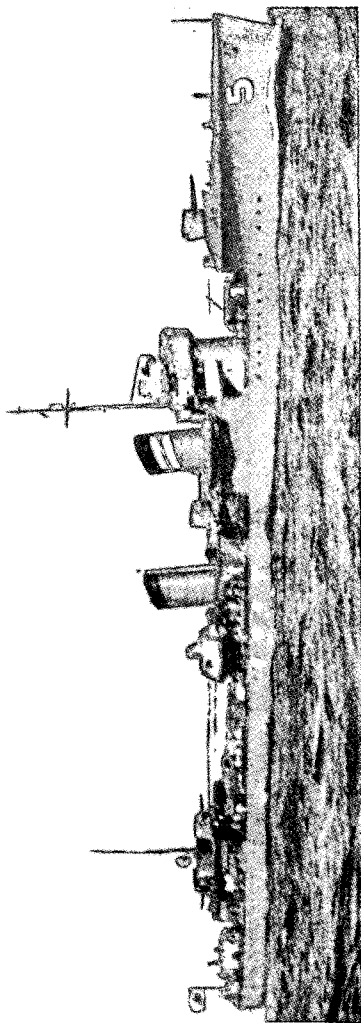
Destroyers
Mutsuki Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer ASAKAZE.
Kamikaze Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Kamikaze Class
(9 ships)

KAMIKAZE
ASAKAZE
HARUKAZE
MATSUKAZE
ASANAGI
HATAKAZE
OITE
HAYATE
YUNAGI

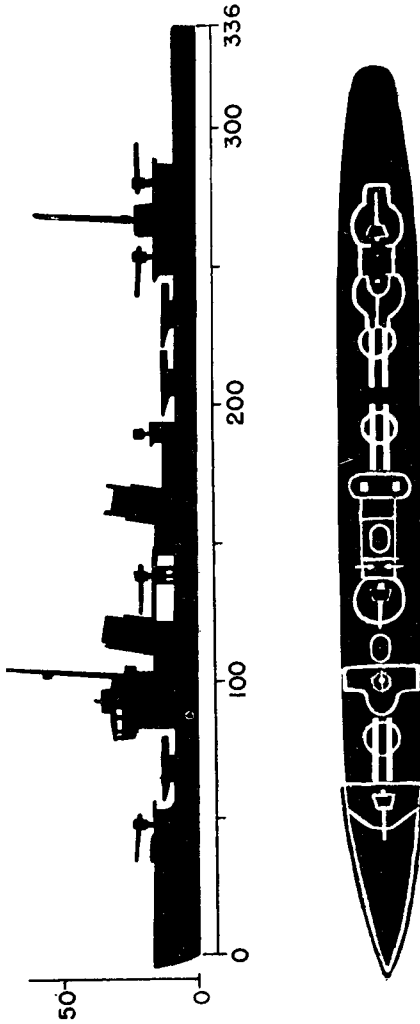
Description: Displacement: 1,270 tons.
Length: 336 feet (over-all).
Beam: 30 feet.
Draft: $9\frac{7}{12}$ feet (maximum).
Speed.: 34 knots.

Guns: 4—4.7-inch.
2—AA machine guns.

Torpedo tubes: 6—21-inch.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

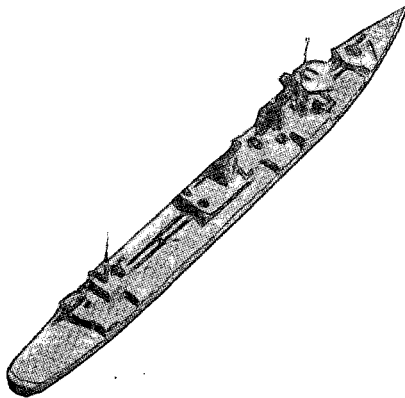
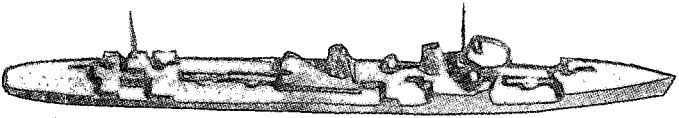
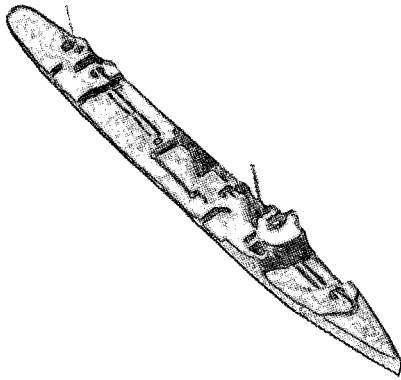
JAPANESE
NAVY



Kamikaze Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

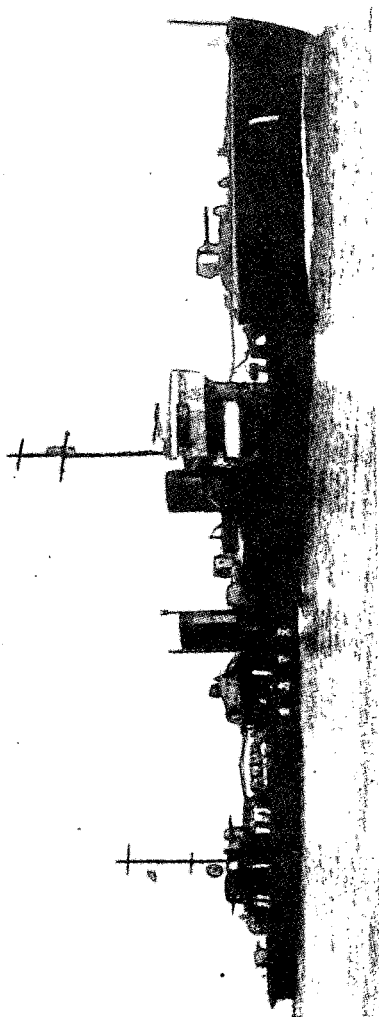
Destroyers
Kamikaze Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer NUMAKAZE.
Minekaze Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Minekaze Class
(15 ships)

| | |
|-----------|-----------|
| MINEKAZE | HOKAZE |
| OKIKAZE | SHIOKAZE |
| SHIMAKAZE | TACHIKAZE |
| SAWAKAZE | NADAKAZE |
| AKIKAZE | NAMIKAZE |
| YUKAZE | NUMAKAZE |
| HAKAZE | NOKAZE |
| YAKAZE | |

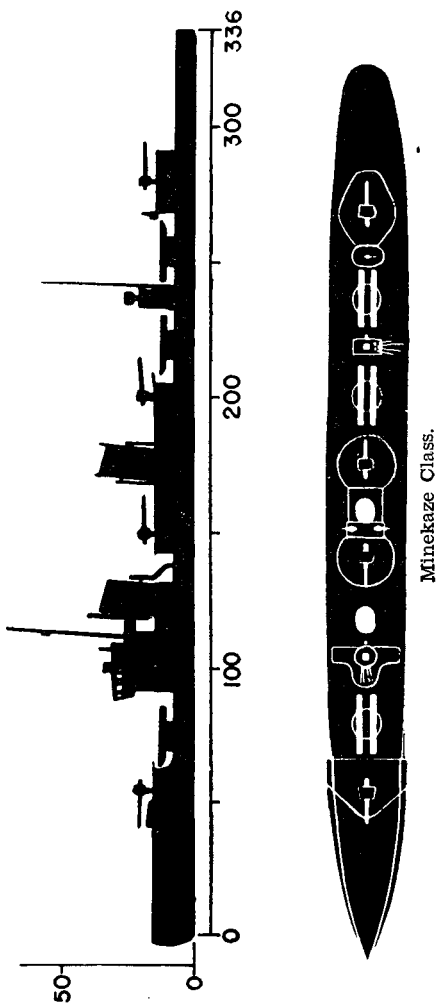
Description: Displacement: 1,215 tons.
Length: 336½ feet (over-all).
Beam: 29.25 feet.
Draft: 9.5 feet (mean).
Speed: 34 knots.

Guns: 4—4.7-inch.
2—AA machine guns.

Torpedo tubes: 6—21-inch.

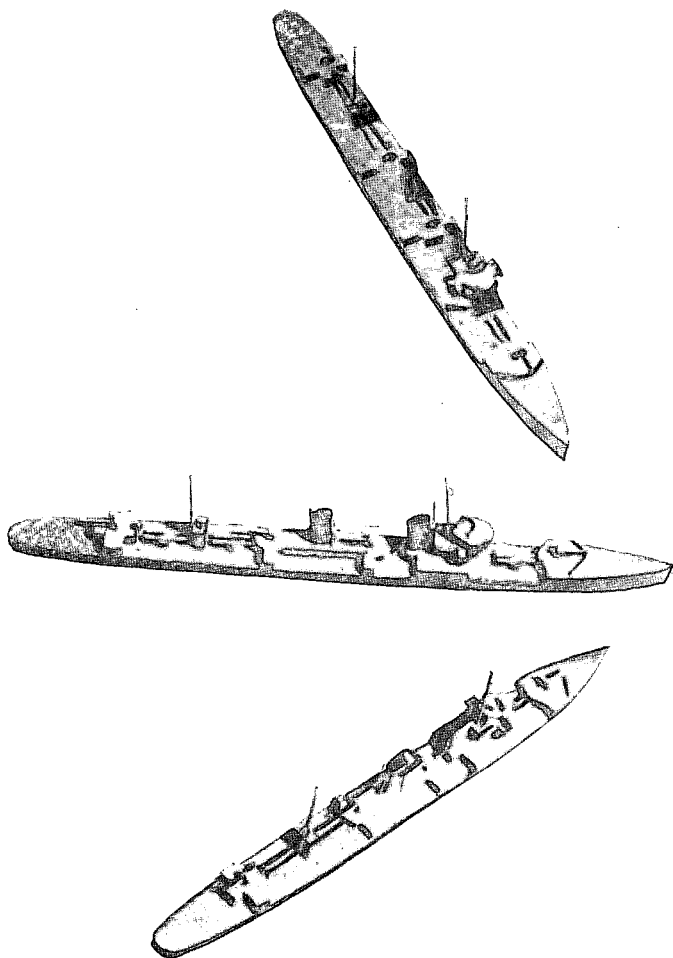
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

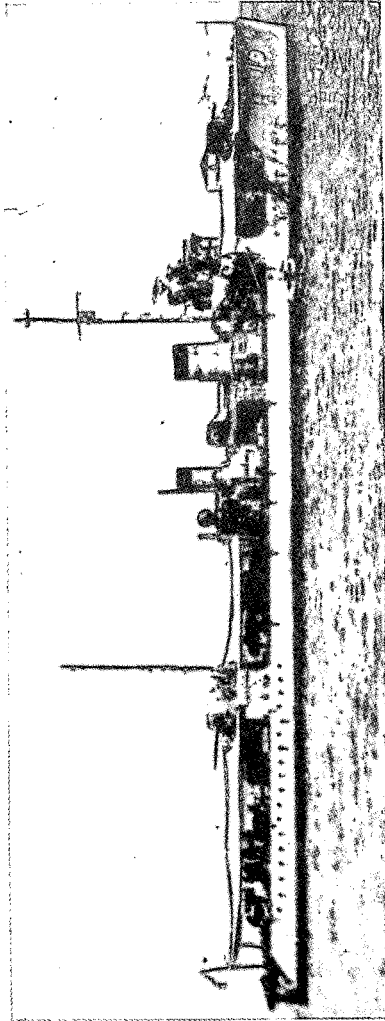
Destroyers
Minekaze Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer KARUKAYA.
Wakatake Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Wakatake Class
(6 ships)

WAKATAKE
KURETAKE
SANAYE
ASAGAO
FUYO
KARUKAYA

Description: Displacement: 820 tons.

Length: 275 feet.

Beam: 26.5 feet.

Draft: 8.5 feet.

Speed: 31.5 knots.

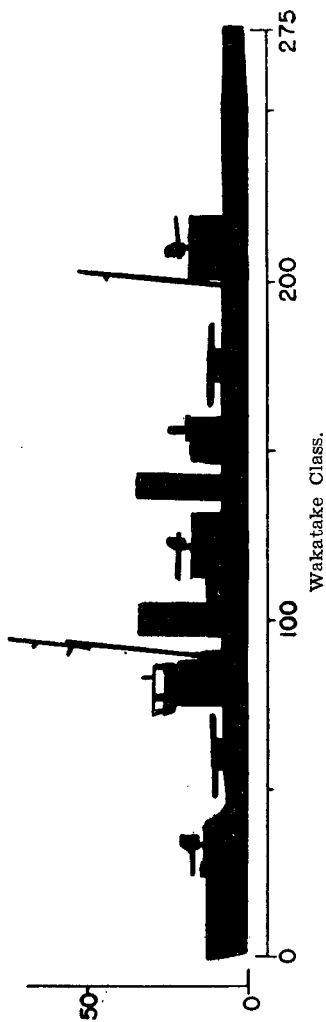
Guns: 3—4.7-inch.

2—AA machine guns.

Torpedo tubes: 4—21-inch (paired).

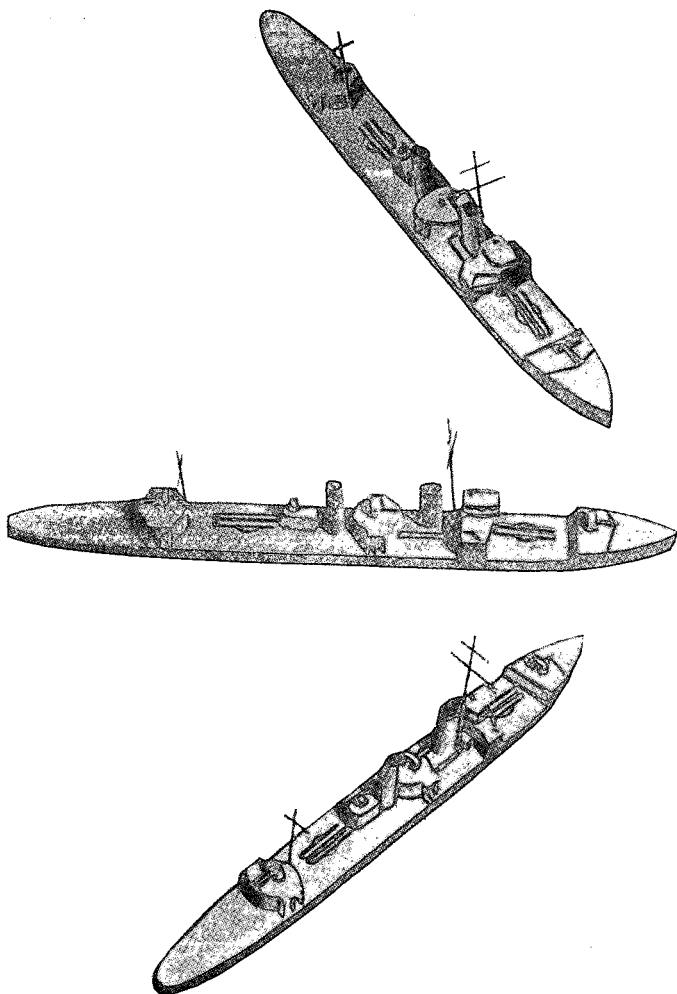
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

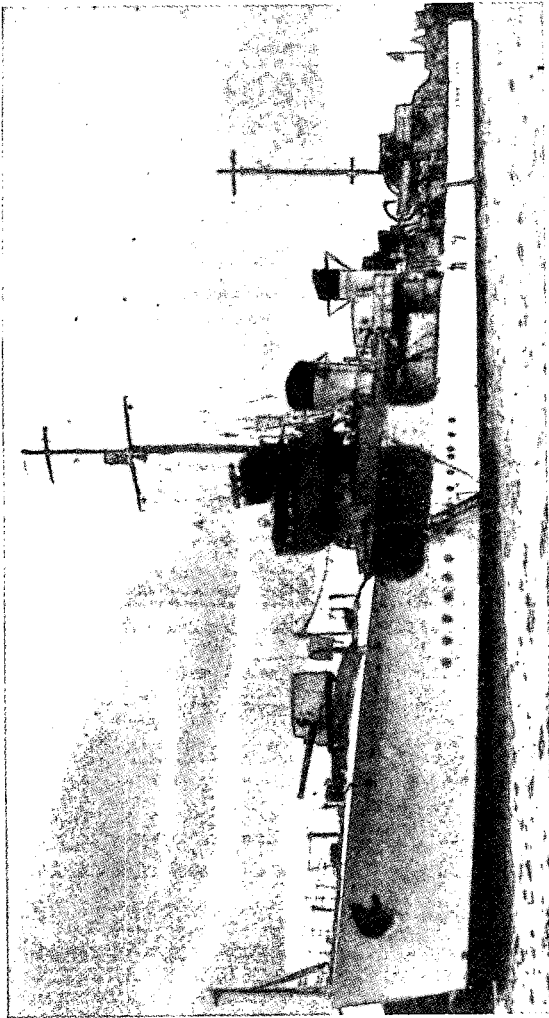
Destroyers
Wakatake Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Destroyer TSUGA.
Kuri Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Kuri Class
(3 ships)

KURI
HASU
TSUGA

16 others of this class scrapped during 1939-40.

Description: Displacement: 770 tons.

Length: 275 feet (between perpendiculars).

Beam: 26 feet.

Draft: 8 feet.

Speed: 31.5 knots.

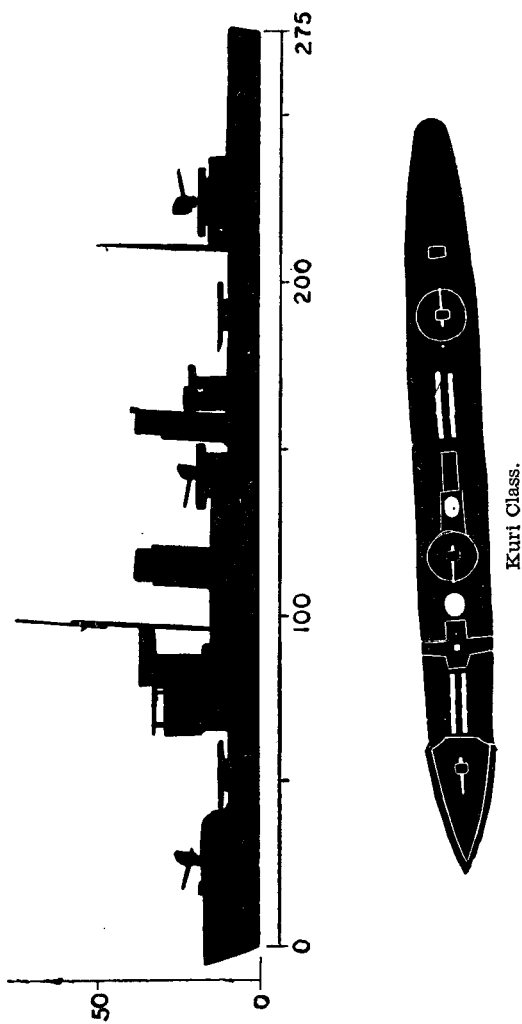
Guns: 3—4.7-inch.

2—AA machine guns.

Torpedo tubes: 4—21-inch (paired).

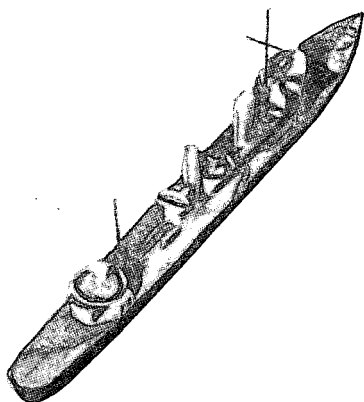
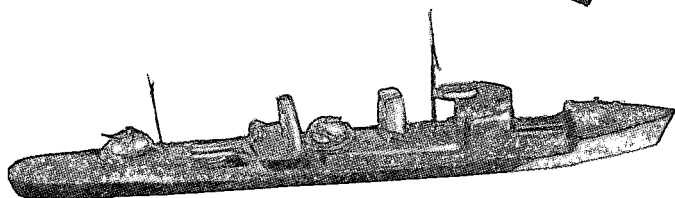
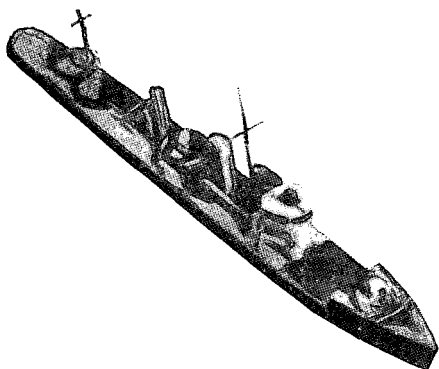
IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



IDENTIFICATION OF JAPANESE NAVAL VESSELS

Destroyers
Kuri Class



Air views.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY

Submarines "I-16" Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarines
"I-16" Class
(5 ships)
(Recent construction)

I-16
I-17
I-18
I-19
I-20

Description: Displacement: 2,180 tons.

Length: 348 feet.

Beam: 30 feet.

Draft: 16 feet.

Speed: 20 knots, surface.

Guns: 1—5.5-inch.

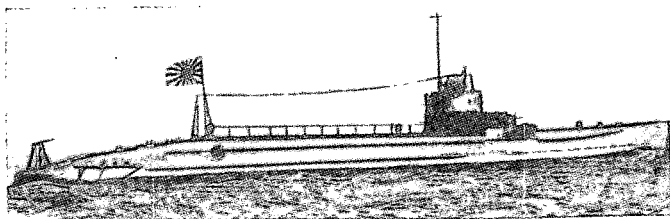
2—AA machine guns.

Torpedo tubes: 8—21-inch.

These are said to be the biggest submarines ever built in Japan.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarine I-71.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarines
I-71 Class
(5 ships)

I-71
I-72
I-73
I-74
I-75

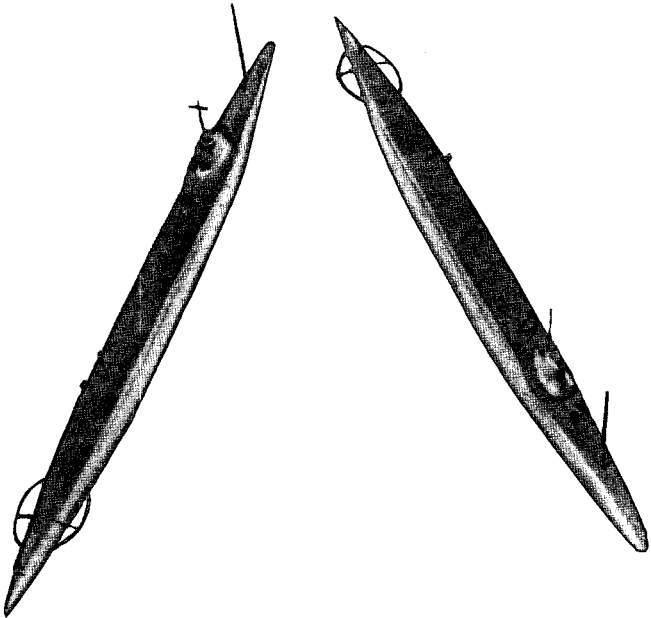
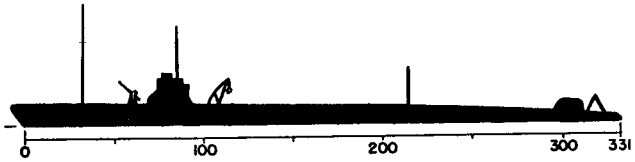
Description: Displacement: 1,400 tons.
Length: 331 feet.
Beam: 27 feet.
Draft: 13 feet.
Speed: 20 knots, surface.
9 knots, submerged.

Guns: 1—4.7-inch.

Torpedo tubes: 6—21-inch.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarines—I-68 Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarines
I-68 Class
(3 ships)

I-68
I-69
I-70

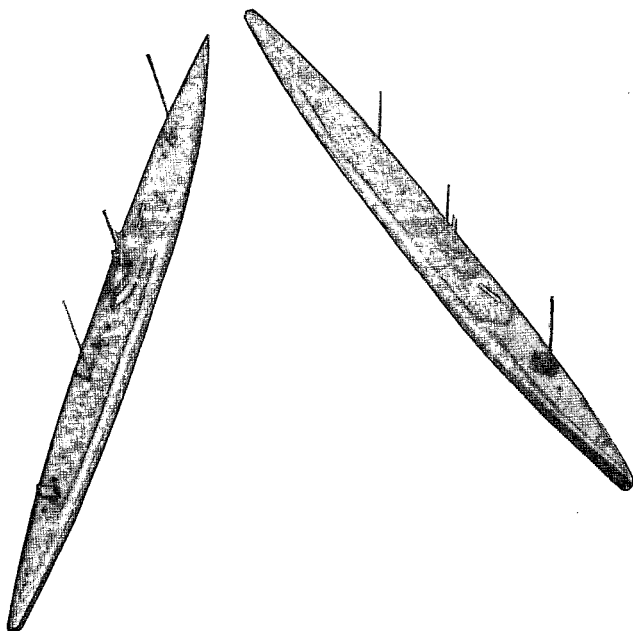
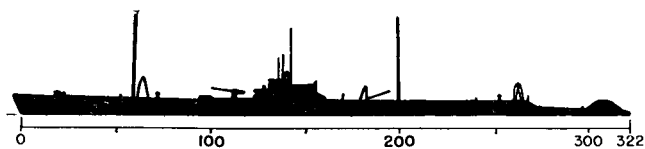
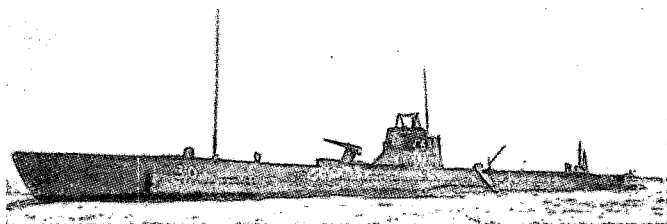
Description: Displacement: 1,400 tons.
Length: 331 feet.
Beam: 27 feet.
Draft: 13 feet.
Speed: 20 knots, surface.
9 knots, submerged.

Guns: 1—4-inch.
1—machine gun.

Torpedo tubes: 6—21-inch.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarines—I-61 Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarines
I-61 Class
(5 ships)

I-61
I-62
I-64
I-65
I-66

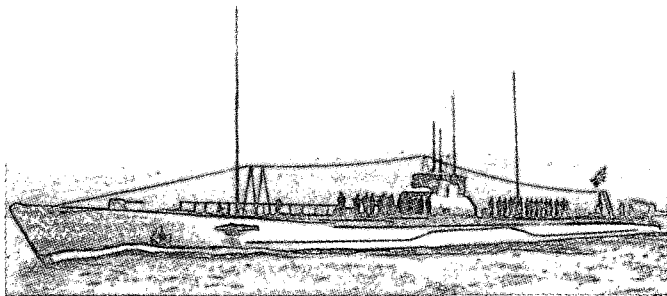
(NOTE.—I-63 sunk by collision, Feb. 2, 1939.)

Description: Displacement: 1,635 tons.
Length: 322 feet.
Beam: 26 feet.
Speed: 19 knots, surface.
9 knots, submerged.

Guns: 1—4.7-inch.
1—AA machine gun.

Torpedo tubes: 6—21-inch.

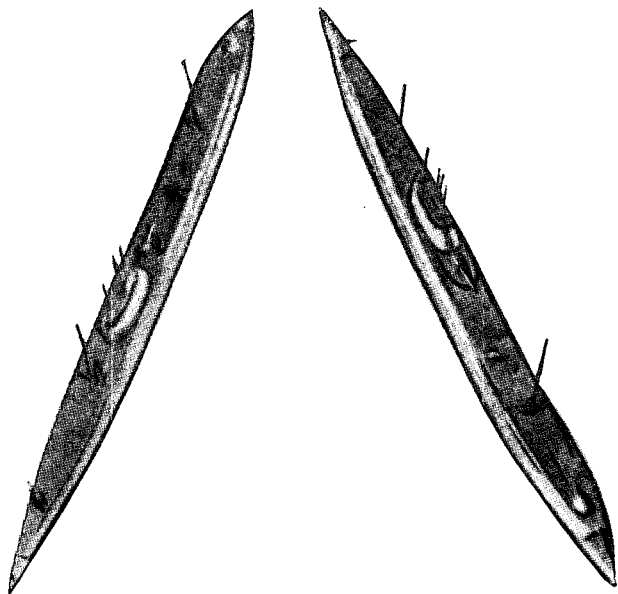
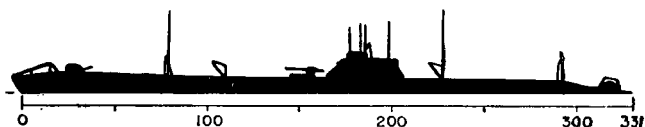
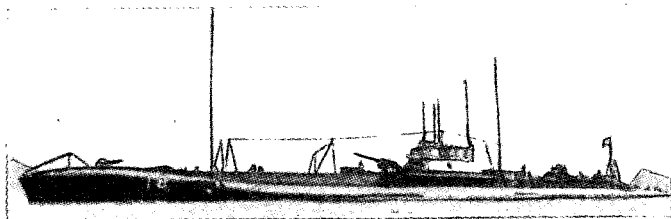
Cruising radius reported to be 16,000 miles.



Submarine I-61.
I-61 Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarines—I-53 Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarines
I-53 Class
(8 ships)

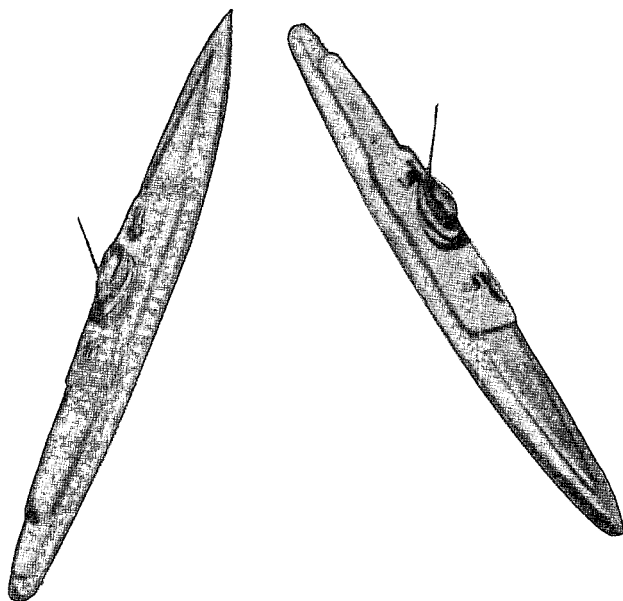
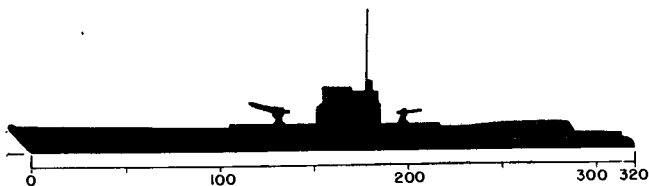
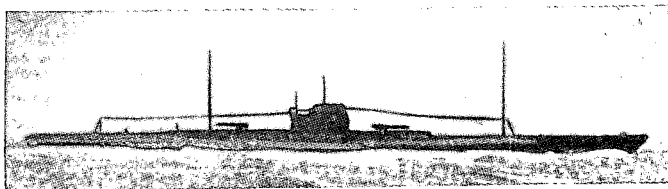
I-53
I-54
I-55
I-56
I-57
I-58
I-59
I-60

Description: Displacement: 1,635 tons.
Length: 331 feet.
Beam: 26 feet.
Draft: 16 feet.
Speed: 19 knots, surface.
9 knots, submerged.

Guns: 1—4-inch.
1—AA machine gun.
Torpedo tubes: 8—21-inch.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarines—I-5 Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

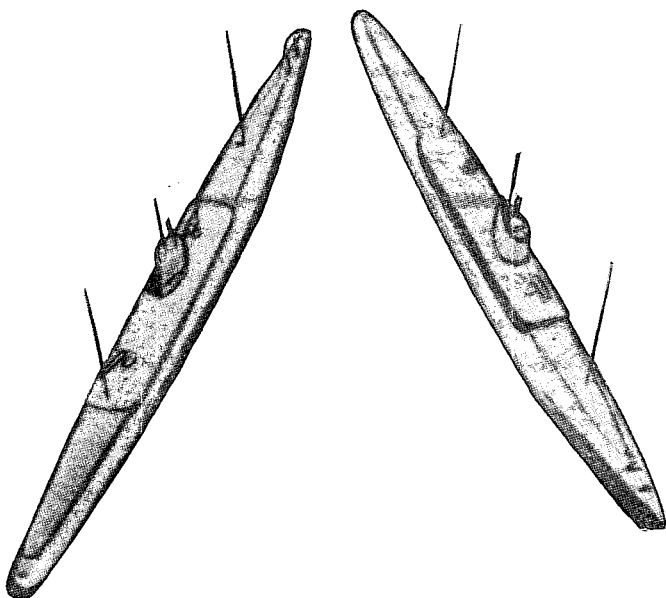
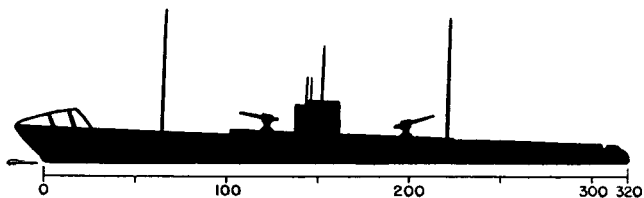
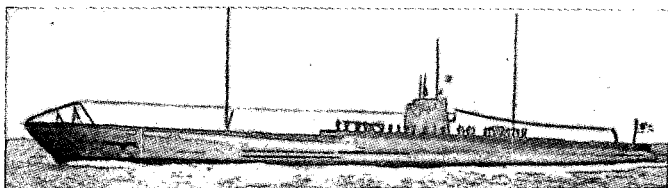
Submarines
I-5 Class
(4 ships)

I-5—1,955 tons.
I-6—1,900 tons.
I-7—1,950 tons.
I-8—1,950 tons.

Description: Displacement: as above.
Length: 320 feet (last two, 357 feet).
Beam: 30 feet.
Draft: 15 feet.
Speed: 17 knots, surface.
9 knots, submerged.
Guns: 2—5-inch on I-5 and I-6.
2—5.5-inch on I-7 and I-8.
Each ship has 2 AA machine guns.
Torpedo tubes: 6—21-inch.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarines I-1 class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarines

I-1 Class

(4 ships)

I-1

I-2

I-3

I-4

Description: Displacement: 1,955 tons.

Length: 320 feet.

Beam: 30 feet.

Draft: 15 $\frac{3}{4}$ feet.

Speed: 17 knots, surface.

9 knots, submerged.

Guns: 2—5-inch.

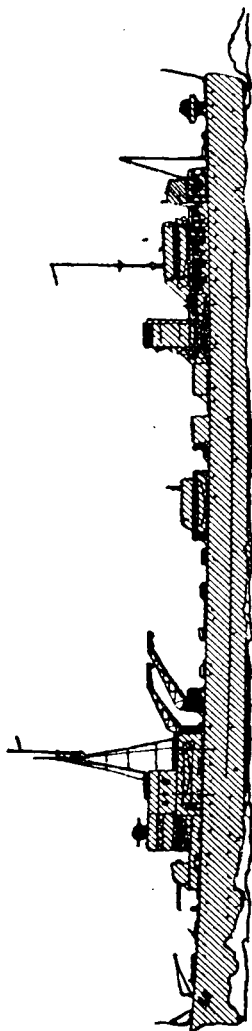
1—3-inch AA.

1—AA machine gun.

Torpedo tubes: 6—21-inch.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarine Tenders TSURUGISAKI and TAKASAKI.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarine Tenders
Tsurugisaki Class
(2 ships)

TSURUGISAKI
TAKASAKI

Description: Displacement: 12,000 tons.

Length: 660 feet.

Beam: 59 feet.

Draft: 21 feet.

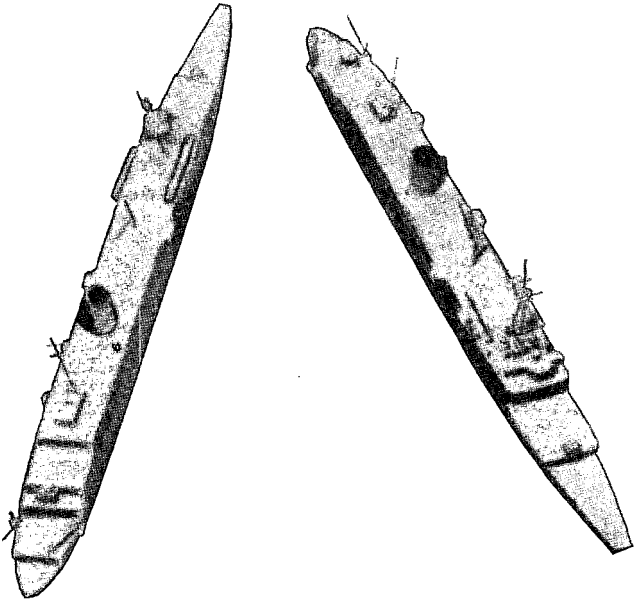
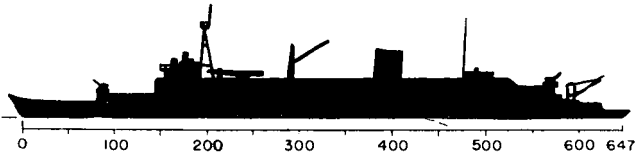
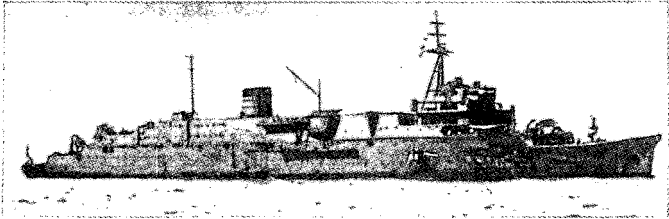
Speed: 19 knots.

Guns: 4—5-inch AA.

12—machine guns.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarine Tender TAIGEI.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Submarine Tender

TAIGEI

Description: Displacement: 10,000 tons.
Length: 689 feet (over-all).
Beam: 59 feet.
Draft: 17 feet.
Speed: 20 knots.

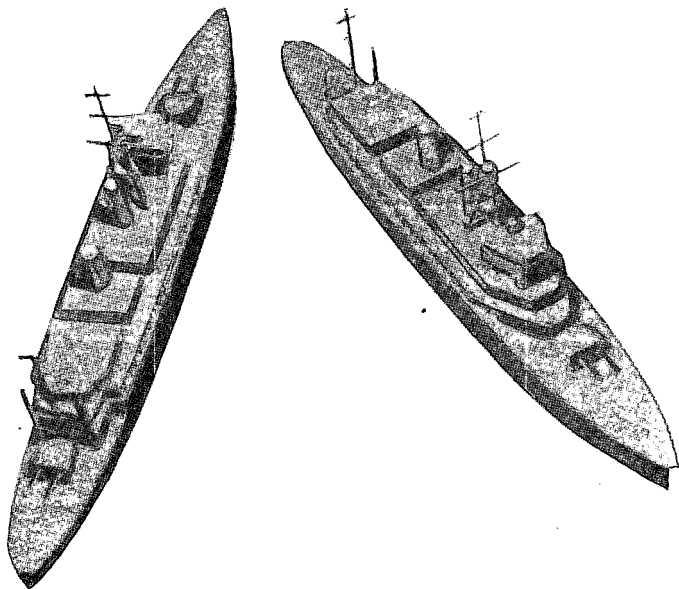
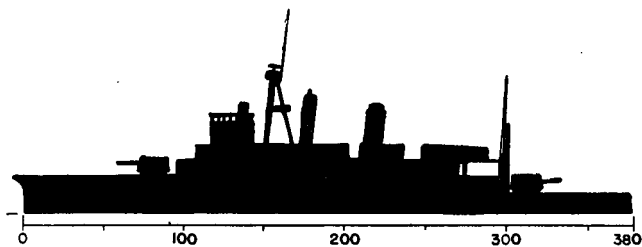
Guns: 4—5-inch.
12—machine guns.

Aircraft: 3.

Catapults: 2.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Submarine Tenders Chogei Class.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

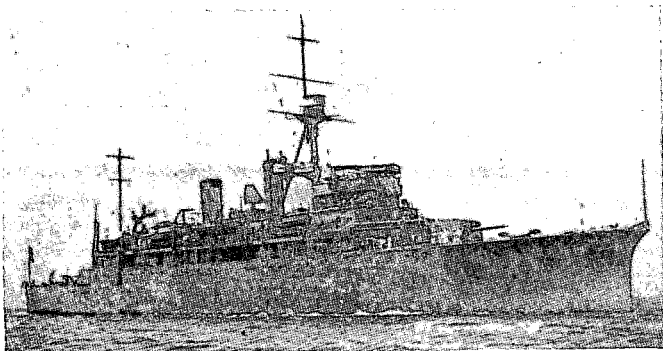
Submarine Tenders
Chogei Class
(2 ships)

CHOGEI
JINGEI

Description: Displacement: 5,160 tons.
Length: 380 feet.
Beam: 53 feet.
Draft: 19½ feet (mean).
Speed: 16 knots.

Guns: 4—5.5-inch.
2—3-inch AA.
2—machine guns.

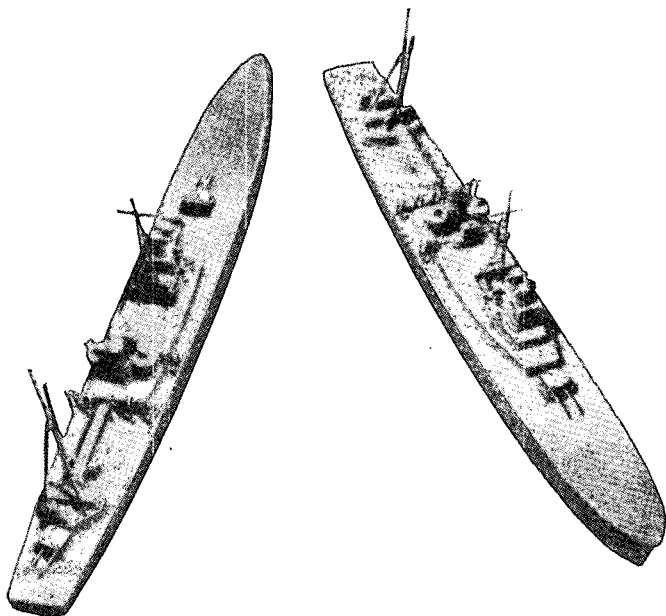
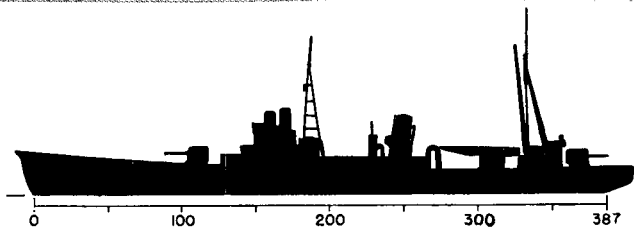
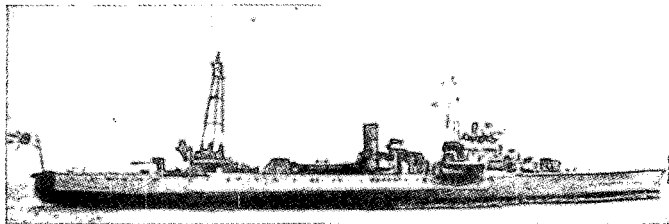
Seaplanes: 1.



Submarine tender CHOGEI.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Mine layer OKINOSHIMA.

OKINOSHIMA

Description: Displacement: 4,400 tons.

Length: 387 feet.

Beam: 51 feet.

Draft: 16½ feet.

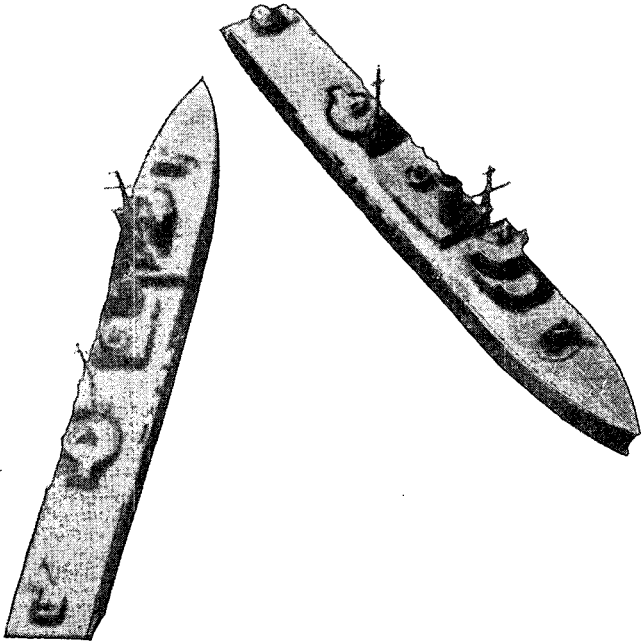
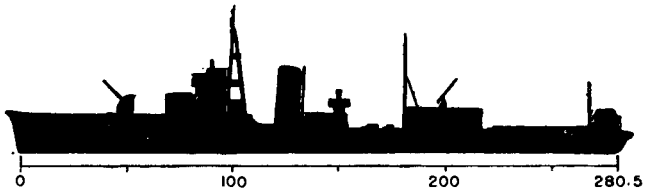
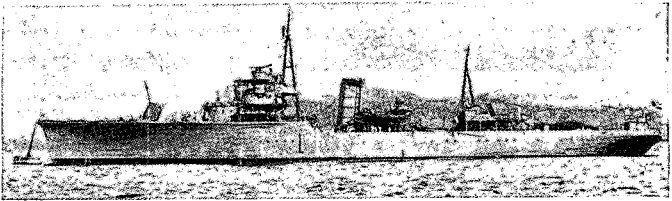
Speed: 20 knots.

Guns: 4—5.5-inch.

4—machine guns.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Mine layer YAEYAMA.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Mine layer

YAEYAMA

Description: Displacement: 1,135 tons.

Length: 280.5 feet.

Beam: 35 feet.

Draft: 8 feet.

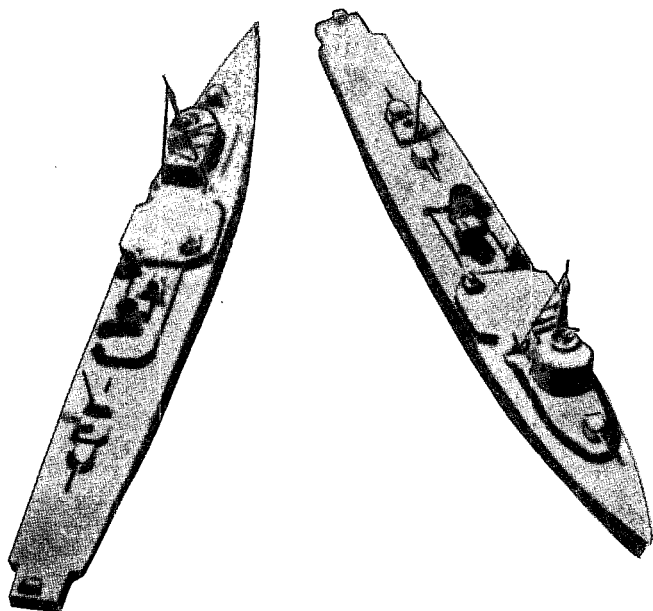
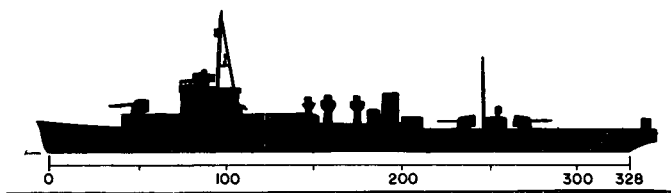
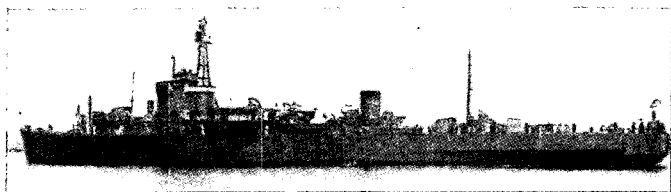
Speed: 20 knots.

Guns: 2—4.7-inch.

2—AA machine guns.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Mine layer ITSUKUSHIMA.

ITSUKUSHIMA

Description: Displacement: 1,970 tons.

Length: 328 feet.

Beam: 42 feet.

Draft: 10 feet.

Speed: 16 knots.

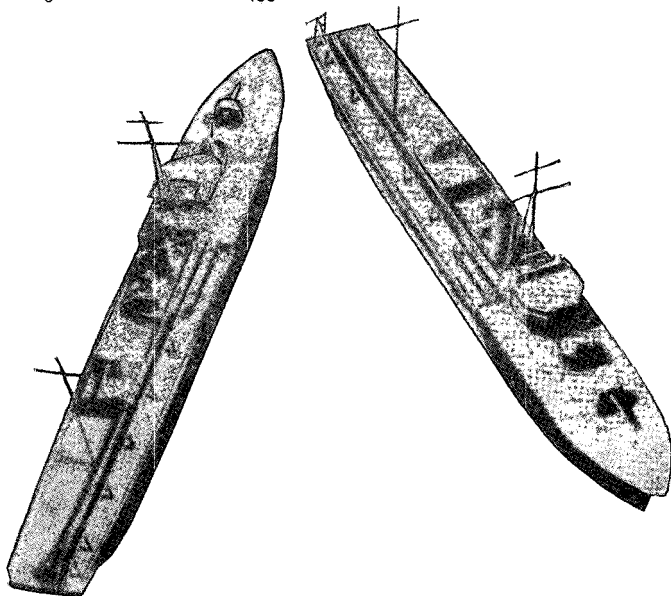
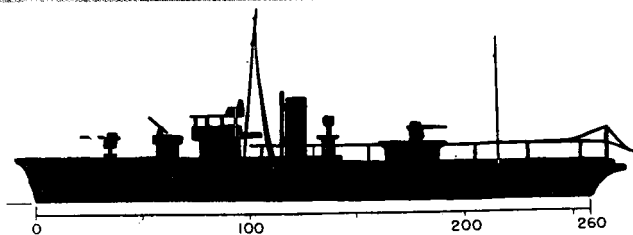
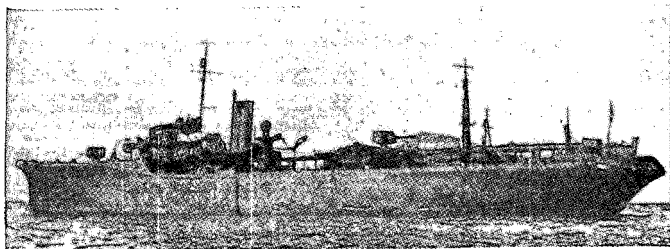
Guns: 3—5.5-inch.

2—3-inch AA.

Mines: 250 large or 500 small.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Mine layer SHIRATAKA.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Mine layer

SHIRATAKA

Description: Displacement: 1,345 tons.

Length: 260 feet.

Beam: 38 feet.

Draft: 9 feet.

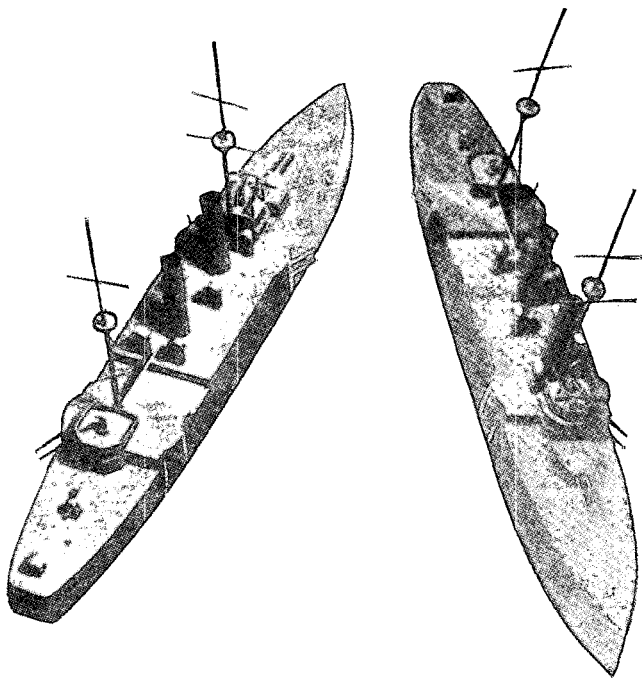
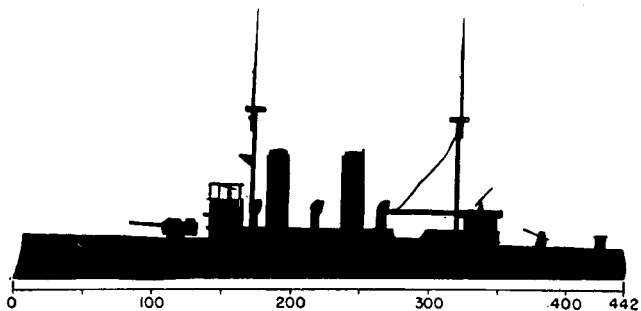
Speed: 16 knots.

Guns: 3—4.7-inch.

1—AA machine gun.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Mine layer TOKIWA.

Mine layer

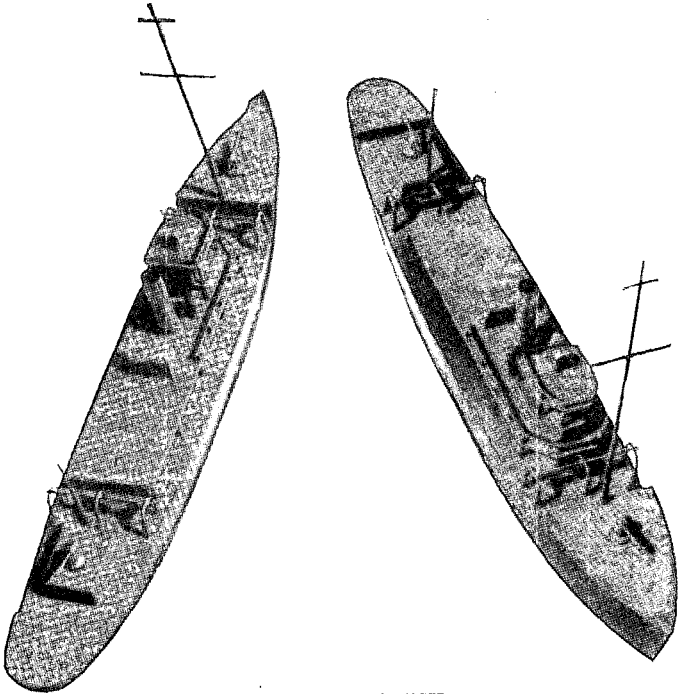
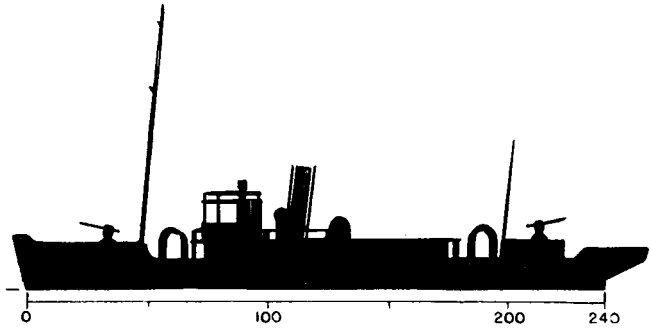
TOKIWA

Description: Displacement: 9,240 tons.
Length: 442 feet (over-all).
Beam: 67 feet.
Draft: 24¼ feet.
Speed: 21 knots.

Guns: 2—8-inch.
8—6-inch.
2—3-inch.
1—3-inch AA.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

JAPANESE
NAVY



Mine layer KATSURIKI.

IDENTIFICATION OF JAPANESE NAVAL VESSELS

Mine layer

KATSURIKI

Description: Displacement: 1,540 tons.

Length: 240 feet.

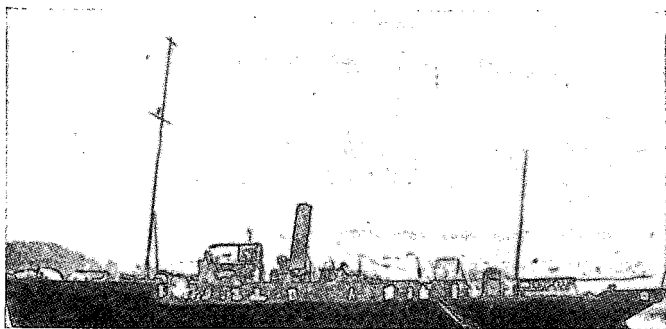
Beam: 39 feet.

Draft: 14 feet.

Speed: 13 knots.

Guns: 3—4.7-inch AA.

1—3-inch.



Mine layer KATSURIKI.

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