

SUNDAY, NOVEMBER 1, 1896.—COPYRIGHT, 1896, BY W. R. HEARST.

WALTER CAMP ON THE FOOTBALL OUTLOOK FOR THE SEASON OF '96.

The Famous Coach and "Father of American Football" Analyses the College Teams and Their Strength and Failings.

To W. R. Hearst, the New York Journal:

The football situation grows more and more complicated as the days fly by. Coaches see November upon them and their teams still barely made up, while the finishing touches must be put on in the case of at least two of the crack teams, Harvard and Princeton, this week. Princeton stock, which before the Lafayette game was rated high, took a tumble when the Easton eleven played them to a tie. The majority took it for granted that it was the weakness of the Princeton team and not the strength of Lafayette that was responsible for the result. Then when the Carlisle Indians scored upon Princeton the impression was strengthened that the form of the Tigers was not what it should be. After that came the games of Saturday, the 24th, Lafayette defeating the University of Pennsylvania and the same Carlisle Indians giving Yale all they wanted to do. A new light was at once thrown upon the situation. Teams that were good enough to defeat Pennsylvania on Philadelphia grounds and play Yale such a game as did the Indians in New York are teams of the very first class, and the reasoning that had arrived at a conclusion of Princeton's weakness from her scores with these two adversaries was proved fallacious.

A reflection set in, and the kicking of Baird, the Princeton full-back, the unexpectedly strong development of their tackle, and the general getting together of the men behind the line have all tended to give Princeton's chances a much more rosy tint. And whom does this most seriously affect? At this juncture decidedly the team that is working hard under B. G. Walter and his assistants at Cambridge, for in one week they must face this same Princeton team on Soldiers' field. That match will be the opening of the November football carnival, and the interests centering there will be widespread indeed. Harvard started off slowly this year; much more slowly than usual. The Cambridge teams, whether deservedly or not, have earned a reputation for reaching top form altogether too early and falling off in early November. But this year their play has been more consistently improving. All the cracks have had reverses and Harvard with the rest, but when her best team has been in the field the play has been more even, and hence more promising than for a number of years. Add to this the fact that Captain Wrightington, although himself laid up with an injury to the knee, is making an excellent reputation as a general and we have the assurance that when his team lines up against Princeton they will understand how to make the most of themselves. In comparing the two teams one finds even more to indicate that the struggle will be a royal one. Baird and Brown have both demonstrated their ability to kick goals from the field in real games. They are not mere practice kickers, but each has sent the ball over when the fight was really on and the enemy were charging down upon them. The Princeton line showed in the West Point game an ability to get through and stop kicks which makes them especially dangerous. It was this ability that in the second half of the game with Harvard last year turned the scales and gave Princeton the victory.

This fact, however, must have made an impression upon the Harvard party that is not likely to have been obliterated in a year, and it is safe to say that if there be one thing more than another, that Harvard will attempt to guard against in her Princeton game this year it will be blocked kicks. Both teams have in Yalley and Shaw thoroughly experienced centres. The former is the older player, and while he should be a more consistent performer his opponent will have more at stake. Princeton has not been thoroughly satisfied with her guards, but the latest change there of placing Crowds next to Yalley, will give them more weight. Harvard, on the other hand, has had more difficulty in filling up the tackle holes, and is likely to be nervous about that point even up to the day of contest. On the ends, if

Capot be well enough to play his game, he and Moulton should fairly match the Princeton pair. With Cabot out of it, Princeton would have rather the better of it. At quarter Harvard has not seemed thoroughly contented with Esch, although he has had experience and is a very steady, reliable man. Probably he does not drive the team as the coaches would wish, and they feel that the whip may be necessary before they finish. In Smith, Princeton has a man who carries the confidence of the coaches and who can force the team up to their work. He is also a capital defensive player. In the half-back line Princeton is more together than Harvard, and the interference is therefore cleaner. To offset this Harvard is likely to have some puzzling moves that may net an occasional brilliant gain. No one can tell the exact value of a play of this nature, because a wholly unpremeditated act of an opponent may cause the play to fall in pieces, or, on the other hand, give a clean opening. Harvard will have the advantage of home grounds, and that, as well as the inspiring sympathy of the audience, will aid materially in bringing out all there is in her men.

As the main games of Pennsylvania and Yale do not come till late in the month, their present form goes for little in a calculation of results. Three weeks may make or mar any team, and both these eleven have had severe lessons by which it is likely they will profit materially. Both will make a thorough study of their rivals at the Cambridge game, and attempt to meet the issue with the knowledge this gained. One must compare Pennsylvania with Harvard, and Yale with Princeton, as that will be the continuation on November 21. As Lafayette successfully met the special plays of Pennsylvania, it is safe to infer that with the added time to study them Harvard will understand what she must do to prevent repeated gains. But the plays were young when used against Lafayette, and should gain sufficient skill from repeated playing as to be plainly labelled "Dangerous." Harvard, too, will have evolved and perfected plays of her own in the next three weeks that will give the Philadelphians some trouble. The record of the two has, however, been such that one is inclined to think that in a hard fought game the defence of the Quakers is the stronger, and Harvard must use strategic plays in order to overcome that. Pennsylvania has been breaking up her back field too much during October to acquire steadiness there, and the fumbling coincident with that has cost her many a touchdown. Such a state of affairs is not likely to exist three weeks from now.

Yale began the season very poorly, and her brace when meeting Brown and Dartmouth was very marked. In those games her team did certainly show much promise. But since that time the eleven have seemed unable to gather themselves and, while they have struck at it with the old bulldog tenacity, there has been no life to the play, and both the Indians and later the Elizabeth Athletic Club outlasted them, and gave them all they wanted to do up to the call of time. The forward line seems less stiff than those we have seen before, and not to possess as much life as Princeton's, while behind the line the positions are still unsettled. There is no kicker to compare with Baird. Time is evidently badly needed at New Haven, but time is just what is allowed them, and three weeks never was more valuable to a team. Blaker at full-back is light, Goodwin at half-back is right, but both are pucky. Benjamin is better weight, as are also Mills and Van Every, while Chaucey at full is heavier than Husky. A choice is not likely for a week yet, and while that is being made the most strenuous efforts will be expended on the strengthening of the forward.

As for the progress of the other teams, Cornell is coming along strongly, but Lafayette and the Indians have already, before November opens, made their unmistakable mark. West Point and Brown are even up, and the athletic clubs of Boston, Orange and Elizabeth rank with the leaders. New Haven, Oct. 31. WALTER CAMP.



The Football Giant in Armor.

FROM A PHOTOGRAPH TAKEN FOR THE SUNDAY JOURNAL.



Princeton's New Tackling Machine.

FROM A PHOTOGRAPH TAKEN FOR THE SUNDAY JOURNAL.

JUST LOOK AT THE

The brief and furious football season has opened. In spite of new rules and ingeniously devised armor, there is already a long list of adventurous youths with broken bones and other injuries. Within two weeks it will certainly be very much longer.

It is in the nature of the game that some of these accidents should occur. At the same time the efforts to prevent them are increasing and altogether praiseworthy. They help to save limbs and also add to the picturesqueness of the game.

Innumerable serious accidents have taught the football experts just where injuries are most likely to be received and how they can best be averted. A defensive piece for every vulnerable part has been invented. The first-class football player is clad in armor like a knight of old, and the composition of his suit is as intricate as that of the medieval warrior's mail.

A few years ago the players went into battle in cloth and wool only. They did not even wear shin guards, but wore content with thick trousers or padded stockings. But accidents were numerous and blood-letting in character. It was very fine to go through a game with a broken nose, but many injuries were more serious, though less evident.

About twelve years ago protective armor began to be adopted. As the players became stronger and more perfectly trained the necessity of protecting them against one another became greater. A man's power of doing harm increases at a greater rate than his ability to resist it.

The result, as seen in the season of 1896, of all the efforts to protect the football player is shown in the Sunday Journal. Here you may study each separate piece of armor, and also the player clad in his complete suit. Even when a man is thus protected his opponent often succeeds in doing him up just as one knight of old occasionally succeeded in hacking through his adversary's armor or in striking a vulnerable spot.

The football player now wears specially constructed coverings on all parts of the body, except the cheeks and hands. Both of these are abnormally hard and injury to them is not dangerous. A player would feel that he had been neglected if he came



The Correct Position for a Low Tackle.

FROM A PHOTOGRAPH TAKEN FOR THE SUNDAY JOURNAL.

out of two games without having a hand stamped upon.

To begin at the top, the player's head is covered by a patch of long hair. As he is young and vigorous, this is in most cases very thick. It is a protection in itself and also an excellent cushion for artificial defences to rest upon.

Protection to the head is afforded by head harness and nose mask. The first of these is specially designed for protection to the ears, the drums of which are very liable to be smashed in the scrummage. One kind is made of soft oil-tanned leather. Bands pass round and over the head. The leather broadens out over the ears and is full of holes to permit hearing. Under the leather is a circular piece of padding, which surrounds the ear and rests against the head. There are many varieties of head harness.

The nose mask is made of heavy rubber, with straps at the top to go round the head. It covers the mouth as well as the nose, thus giving very necessary protection to the teeth. Three holes are pierced in it for breathing purposes. If the player does not set much store by his nose he can wear a mouthpiece only.

The need of protection to the head is very urgent. As a defence against mere fist punches the mask would probably not be used. But when one man is jamming his head into another's stomach it often requires more patience than the latter pos-

sesses to refrain from driving his knee into his tormentor's face. The results of this are liable to be loss of teeth, crushing of nose and insensibility.

When a man is lying on the ground with six infuriated enemies before him he must not be surprised to receive a kick in the ear. Then there must often be times when a player will be knocked on his back and both teams have occasion to walk over him. In a situation of this kind every article of armor is invaluable, and the prostrate one may even have cause to regret that his cheeks are exposed.

It is held by some high authorities that the very best covering for the body is a complete suit of leather. This is not only an excellent defence against blows, but its smooth and hard surface makes it extremely difficult for an opponent to hold the wearer. It gives him a great advantage, but its chief objection is its costliness. The member of a good team will, however, at least have padded moleskin breeches.

It is interesting to note that the Harvard football player in his head harness and leather suit is clad almost exactly like the medieval soldier who fought on

foot and for whom steel armor was both too heavy and too costly.

Under the visible garments are many others specially devised for the football player. The right shoulder is much used as a battering ram, and in consequence is liable to dislocation. It is protected by an elastic bandage worn next to the skin and secured by a band passing round the chest. There are similar bandages for elbow, ankle, forearm, knees and wrist. Most of these are used only when some weakness exists.

Cladwick, of Yale, is noted for his heavy armor. He wears a jersey, and on each shoulder a heavy leather pad weighing three or four pounds. On each elbow is another heavy pad, and about his wrists are buckled heavy straps.

There are several contrivances to be worn under the clothes, for protecting the contents of the abdomen. One kind of apparatus is made of wire covered with soft chamois leather. It fastens round the waist. The kidneys also receive special care in the defensive system.

All players are recommended to wear ankle supports, which prevent sprains and thring of the ankle. These are of soft leather, leed up, and are worn under the shoe.

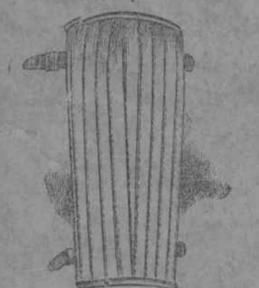
The usual body covering is a padded jersey or a jacket of very thick white duck. It is often reinforced underneath by various kinds of padding, according to the wearer's fancy.



The Rubber Mouthpiece.



Regulation Sp'ked Shoe.



Football Shin Guards.



Leather Football Jacket.



A Cage for the Ear.



For Protecting the Mouth.



To Protect the Nose.



The Wrist Bandage.

FOOTBALL ARMOR.

Breeches are made of heavy duck or moleskin, quilted all over and specially padded over the knees and hips. In the best kind they are padded throughout with wadding, and at the hips and knees with hair. The wearers usually add extra padding to suit themselves, as they are best able to locate places which they are very anxious to protect.

Covering the meeting place of jacket and breeches is a broad belt. This not only protects the pit of the stomach and other sensitive spots, but when tightly laced up makes it harder to get a hold on the wearer.

Few good players are seen to-day without shinguards. These are of rubber covering strips of cane. They are calculated to protect a leg from a blow which would otherwise break it.

We have now reached the feet of this modern gladiator. The useful ankle supports have already been mentioned. These are hidden by shoes made of the thickest leather available. The ankles are additionally guarded by circular pieces of leather sewn onto the shoe. On the soles is a plentiful supply of leather spikes or cleats. It may be noted that these are very rough on the face.

Almost every player has some special characteristic about his armor. He has a large opportunity to exercise his fancy and ingenuity. Anything short of steel plate is permissible. The metal enters in some extent into the construction of many of the articles described. The player whose picture is given here as a good example of a man in complete football armor wears head harness which covers the top of his head and looks singularly like an ancient helmet. The sportsman evidently fears concussion of the brain no less than the destruction of his ears and nose.

A fairly heavy football suit weighs between thirty and forty pounds. The cost is about \$50, but as the teams have plenty of money this is hardly a consideration. If they wanted armor of steel inlaid with gold they would doubtless be able to get it. One year the Yale team appeared clad in all blue suits. The idea being that this would make the men appear to be lighter in weight.

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Leather Head Harness.



Shoulder Cap Bandage.



Elastic Waist Belt.



Abdomen.



Leather Knee Brace.